Historic, Archive Document

Do not assume content reflects current scientific knowledge, policies, or practices.

SHOUT
SHARE
IT

62.61

ESTABLISHED 1802.

SECTION OF SEED AND PLANT INTRODUCTION.

J. M. THORBURN & Co.

1899

BULBS

AND FLOWERING ROOTS

FOR FALL PLANTING

36 Cortlandt Street, NEW YORK.

COPYRIGHTED 1899 BY J. M. THORBURN & CO.

THORBURN'S SPECIAL COLLECTIONS OF CHOICE BULBS

THESE ASSORTMENTS ARE MADE UP OF THE FINEST STANDARD SORTS, AND MAY BE RELIED UPON TO GIVE SATISFACTION.

No. 1. COLLECTION OF CHOICE BULBS FOR HOUSE CULTURE

Price, $2.50.

12 White Roman Hyacinths,
6 Fine Named Dutch Hyacinths,
6 Fine Mixed Dutch Hyacinths,
12 Fine Mixed Single Tulips,
12 Fine Mixed Double Tulips,
30 Mixed Crocus,
6 Polyanthus Narcissus,
6 Trumpet Narcissus Princeps,
6 Double Narcissus Van Sion,
6 Poet's Narcissus,
12 Mixed Spanish Iris,
6 Campernelle Jonquils,
6 Scilla Sibirica,
6 Freesia refracta.

No. 2. COLLECTION OF CHOICE BULBS FOR HOUSE CULTURE

Price, $4.75.

Consists of the same varieties as Collection **No. 1,** but with double the number of each sort

No. 3. COLLECTION OF CHOICE BULBS FOR HOUSE CULTURE

Price, $9.

Consists of the same varieties as Collection **No. 1,** but with four times the number of each sort.

No. 4. COLLECTION OF HARDY BULBS FOR OUTDOOR CULTURE

Price, $2.

6 Mixed Double Red Hyacinths,
6 Mixed Single Blue Hyacinths,
6 Mixed Single White Hyacinths,
24 Mixed Early Tulips,
50 Mixed Crocus,
12 Mixed Double Anemones,
1 Crown Imperial,
12 Spanish Iris,
6 Double White Narcissus,
6 Butter and Eggs Narcissus,
6 Scilla campanulata,
3 Bulbocodium vernum.

No. 5. COLLECTION OF HARDY BULBS FOR OUTDOOR CULTURE

Price, $3.75.

Consists of the same varieties as Collection **No. 4,** but with double the number of each sort.

No. 6. COLLECTION OF HARDY BULBS FOR OUTDOOR CULTURE

Price, $7.

Consists of the same varieties as Collection **No. 4,** but with four times the number of each sort.

Copyrighted, 1899, by J. M. Thorburn & Co.

ESTABLISHED 1802
INCORPORATED 1894

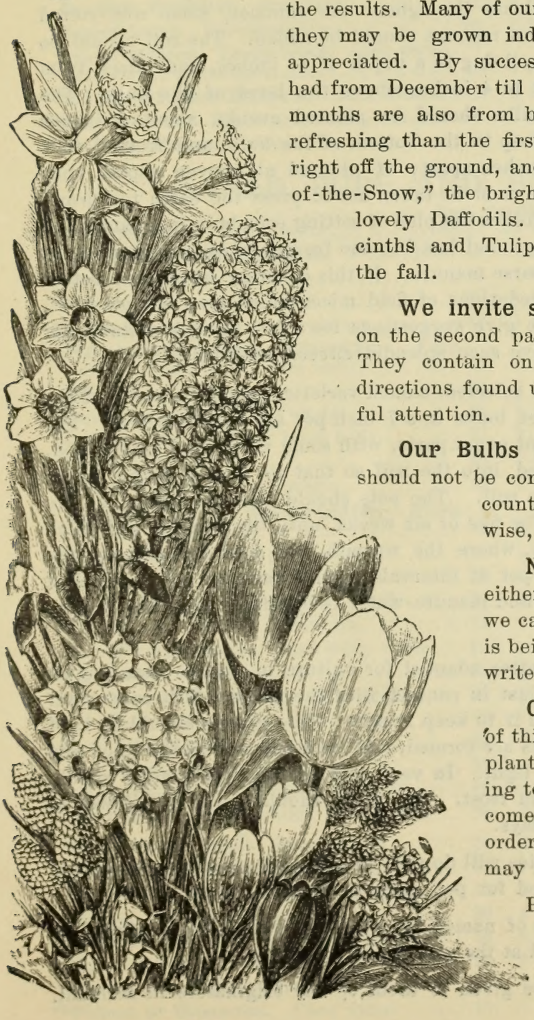
Autumn, 1899

J. M. Thorburn & Co.

CATALOGUE OF

BULBS AND FLOWERING ROOTS FOR FALL PLANTING

AUGUST 21, 1899.



THE growing of bulbs for winter and spring-flowering is very interesting and very easy. If the directions given in this Catalogue are observed, there need be no disappointment with the results. Many of our most beautiful flowers are produced from bulbs, and they may be grown indoors in the winter months, when flowers are most appreciated. By successive plantings a constant supply of flowers may be had from December till May. The finest outdoor displays of the early spring months are also from bulbs planted in the autumn. There is nothing more refreshing than the first Snowdrop of spring. It appears before the snow is right off the ground, and is quickly followed by the Chionodoxa, or "Glory-of-the-Snow," the bright and variously colored Crocuses and Scillas and the lovely Daffodils. Then come the gorgeous lawn displays of Hyacinths and Tulips. All these are produced from bulbs planted in the fall.

We invite special attention to the collections of bulbs offered on the second page of cover, both for indoor and outdoor cultivation. They contain only sorts that will insure satisfaction. The cultural directions found under the respective headings are also worthy of careful attention.

Our Bulbs are all selected, and from the best growers, and should not be confounded with the cheap "case" bulbs sent to this country on speculation and often sold at auction, and otherwise, at very low prices.

NAME and ADDRESS. We often receive orders with either the name or the address of the sender omitted. As we can do nothing with them, the customer thinks his order is being neglected. We therefore beg our correspondents to write on each order their name and full address.

ORDERS should be sent as soon as possible after receipt of this Catalogue. The bulbs will be sent in proper time for planting. They are ready from August to October, according to the time of ripening and the country from which they come. Orders booked earliest are surest of being filled as ordered. If left too late, the supply of some of the varieties may be exhausted.

Please address all orders and remittances to

J. M. THORBURN & CO.
36 CORTLANDT STREET, NEW YORK.

HYACINTHS.

Hyacinths are ready for delivery in September.

The Hyacinth is one of the most popular and beautiful of spring-flowering plants for indoor and outdoor decorations. By careful management in keeping up a succession, they may be had in flower from the beginning of winter to the end of May. For a spring display in the open ground they are unexcelled. Brilliant effects can be obtained by massing different colors in varieties that grow about the same height and bloom at the same time. We furnish very large numbers for this purpose to public parks and cemeteries, and we shall be pleased to recommend to anyone suitable sorts, when desired.

Group of Hyacinths.

OUTSIDE CULTURE.—October is the month to plant Hyacinths outside. They succeed best in a light soil and in a sunny situation. If the soil is naturally heavy some sand should be mixed with it; and if the beds have been occupied with other plants throughout the summer, some well-rotted cow manure should be added. The soil should be well dug to a depth of 14 inches, and raised from 2 to 4 inches above the level of the walk. The bulbs should be planted evenly, about 6 inches deep to the bottom of the bulb, and from 6 to 7 inches apart; if planted at uneven depths they will not bloom at the same time, but irregularly. Care must be taken not to press the earth too firmly around and over the bulbs; some successful gardeners follow the plan of setting each bulb in a handful of clean sand, which insures proper drainage. After the ground has become frozen in early winter, cover with a few inches of dry litter, evergreen boughs or coarse manure. If this covering be applied before freezing weather, it renders the bulbs liable to the predations of field mice, which may burrow in it. On the inside of the back cover of this Catalogue we give suggestions for a few designs suitable for Hyacinth beds. They are all designs in which we have seen splendid effects produced.

CULTURE IN POTS. For growing in pots, large, selected, named varieties should be used. They should be potted singly in 5-inch or 6-inch pots. Three bulbs in a 7-inch pot are very effective. The best potting compost is fibry loam and manure in about equal parts, with some river sand intermixed. The pots should be filled lightly, and the bulb pressed into the soil so that its base is firmly fixed. About one-third of the bulbs should remain above the soil. The pots should then be buried in the open ground to the depth of six inches, and left there for five or six weeks, until the pots are well filled with roots. They may then be taken into the house, where the warmth will soon bring them into flower. Where a succession is desired, it is best to pot at intervals from September till the end of November. Plenty of water should be always applied, and manure-water is beneficial after the flower-spikes appear.

CULTURE IN GLASSES. Single varieties are better adapted for culture in glasses than double ones. The bulb should be placed so that the base is just in contact with the water. Soft rain-water should be used, and a little charcoal might be placed in it to keep it pure. The glasses should be kept in a cool, dark closet for ten or twelve days, until roots are formed, and then exposed to the light and air as much as possible. Do not place them near gas light. In very cold weather the glasses should be removed from the window, as the bulbs cannot stand frost. The water should never be allowed to freeze, and it should be changed every two or three days.

Persons unacquainted with the different varieties will do well to leave the selection to us, only specifying in their orders whether the bulbs are wanted for pot, glass or garden culture.

We invite special attention to the assortments of named Hyacinths of our selection offered on page 4, and to the Hyacinth Glasses which are described at the end of the Catalogue.

The names of our Hyacinths and Tulips are those given to them by the originators in Holland.

SELECT NAMED HYACINTHS.

The Single-flowered varieties are generally more effective than the Double ones. They also, as a rule, succeed better in glasses. The Double varieties are distinguished by an asterisk (*), and those of them that do well in water by two asterisks (**).

The sorts printed in **boldface type** are most largely used for bedding.

If ordered by mail, please add 15 cents per dozen for postage.

NAMED BLUE HYACINTHS.

☞Three of a kind sold at the dozen rate.

	Each	Per doz.
A la Mode. Light blue	$0 12	$1 25
Argus. Bright blue, white eye	12	1 25
Baron van Thuyll. China-blue	12	1 25
Bleu Mourant. Dark; compact	12	1 25
Blocksberg. Porcelain, striped	12	1 25
Blondin. Tinged with purple	12	1 25
Bride of Lammermoor. Dark blue	20	2 00
Captain Boyton. Light blue	20	2 00
Charles Dickens. Dark porcelain	12	1 25
Czar Peter. Splendid light blue	20	2 00
Delicata. Light-blue; very fine	25	2 50
Garrick. Deep lilac-blue	15	1 50
General Anthink. Light blue	12	1 25
General Pelissier. Porcelain	12	1 25
Grand Lilas. Porcelain-lilac	20	2 00
Grand Maitre. Large truss; deep porcelain-blue; extra fine	12	1 25
King of the Blues. Dark blue	12	1 25
La Peyrouse. Light porcelain	12	1 25
Laurens Koster. Violet-blue	30	3 00
Leonidas. Clear blue	12	1 25
Lord Derby. Light porcelain	25	2 50
Lord Wellington. Dark stripes	15	1 50
Louis Philippe. Dark blue	25	2 50
Marie. Bright blue	12	1 25
Masterpiece. Purplish black; fine	30	3 00
Mignon de Dryfhout. Light porcelain, shaded blue	12	1 25
Murillo. Light blue	15	1 50
Othello. Violet-black	15	1 50
Pieneman. Dark porcelain	12	1 25
Prince of Wales. Dark blue, white eye	20	2 00
Queen of the Blues. Light; extra	20	2 00
Regulus. Large; porcelain-blue	12	1 25
Rembrandt. Light blue	15	1 50
Robert Burns. Dark, striped	20	2 00
Van Speyk. Lilac; large bells	25	2 50
William I. Fine purplish black	12	1 25
William III. Dark blue	25	2 50

NAMED PURE AND BLUSH WHITE HYACINTHS.

	Each	Per doz.
Alba Maxima. Pure white	$0 30	$3 00
Alba Superbissima. Pure white.	15	1 50
Albertine. Pure white	15	1 50
Anna. Waxy white; extra	40	4 00
Anna Maria. Blush, purple eye	15	1 50
Baroness van Thuyll. Pure white; large truss; very early	15	1 50
Blanchard. Pure white	20	2 00
Bouquet Royal. Pure white	12	1 25
Elfride. Blush white; large bells	15	1 50
Flevo. Pure white	15	1 50
Grand Vedette. Pure white	15	1 50
Grandeur à Merveille. Blush white; large truss	12	1 25
Jenny Lind. White, purple eye	15	1 50
La Belle Blanchisseuse. Pure	15	1 50
La Grandesse. Pure white; extra	40	4 00
La Deesse. White, yellow eye	15	1 50
La Franchise. Fine waxy white	12	1 25
La Neige. Pure white	40	4 00
La Pucelle d'Orleans. Pure white	15	1 50
La Tour d'Auvergne. Pure white	15	1 50
La Virginite. Blush white	12	1 25
Leviathan. Blush white	30	3 00
L'Innocence. Pure white; large truss	25	2 50
Lord Cray. Blush white; good spike	30	3 00
Madame de Staël. Blush white	30	3 00
Madame Vanderhoop. Pure	15	1 50
Mammoth. Pure white; large bells	12	1 25
Mina. Pure white; large	30	3 00
Miss Nightingale. Splendid pure white	50	5 00
Mont Blanc. Pure white; splendid	25	2 50
Paix de l'Europe. Pure white	15	1 50
Prince of Waterloo. Pure white	15	1 50
Princess Alice. Pure white	$0 25	$2 50
Rousseau. Rosy eye	12	1 25
Snowball. Large; pure white	30	3 00
Vesta. Pure white	12	1 25
Voltaire. Blush white	12	1 25

Single Hyacinths.

NAMED RED, CRIMSON AND PINK HYACINTHS.

Double Hyacinths.

	Each	Per doz.
Amy. Bright, dark red	$0 12	$1 25
Baron Rothschild. Red	15	1 50
*Bouquet Royal. Rose, red center	12	1 25
Bouquet Tendre. Crimson	12	1 25
Charles Dickens. Fine pink; early	15	1 50
Cosmos. Dark rose	$0 12	$1 25
Czar Nicholas. Pale rose; large	12	1 25
*Empress of India. Fine dark red	20	2 00
Fabiola. Pink, carmine stripe	12	1 25
Frederick the Great. Rose color	30	3 00
Garibaldi. Brilliant carmine; fine	30	3 00
General Pelissier. Carmine	12	1 25
Gertrude. Fine spike; bright pink	12	1 25
Gigantea. Bright rose	12	1 25
Grand Vainqueur. Rose; large truss	15	1 50
Grootvorst. Peach blossom	12	1 25
Kohinoor, Single. Splendid dark rose	30	3 00
*Kohinoor, Double. Bright rose	30	3 00
La Reine des Jacinthes. Bright crimson; fine truss	12	1 25
Linnæus. Fine crimson	25	2 50
Lord Macaulay. Carmine stripes	15	1 50
Lord Wellington. Extra large	20	2 00
Monsieur Hoboken. Soft carmine; extra.	15	1 50
Moreno. Waxy pink	30	3 00
Norma. Delicate waxy pink	12	1 25
Noble par Merite. Fine red	12	1 25
Prince of Orange. Semi-double	12	1 25
*Princess Louise. Dark red	25	2 50
Regina Victoria. Fine red	15	1 50
Robert Steiger. Fine crimson	12	1 25
Rosea Maxima. Delicate rose	25	2 50
Sarah Bernhardt. Fine rose	15	1 50
Solfatara. Fine orange-red	12	1 25
Sultan Favorite. Bright salmon	12	1 25
Susanna Maria. Red; large	25	2 50
Von Schiller. Large; dark truss	15	1 50

NAMED LILAC AND MAUVE HYACINTHS.

	Each
Charles Dickens. Violet-purple	$0 25
Haydn. Lilac-mauve	20
Jeschko. Fine spike; dark lilac	20
Lord Mayo. Dark mauve, white eye	25
L'Unique. Dark violet	15
President Lincoln. Violet, with white eye; a beautiful Hyacinth	$0 25
Sir Edwin Landseer. Rich claret	25
Sir William Mansfield. Fine mauve	25
Thackeray. Violet-purple	20

NAMED YELLOW AND ORANGE HYACINTHS.

	Each	Per doz.
Adonia. Orange-yellow	$0 15	$1 50
Bird of Paradise. Dark yellow	30	3 00
*Bouquet Orange. Reddish orange	15	1 50
*Crœsus. Orange	20	2 00
Duc de Malakoff. Salmon, striped	12	1 25
Fleur d'Or. Pale yellow	12	1 25
Goethe. Bright yellow	15	1 50
Hermann. Orange-yellow	15	1 50
Heroine. Yellow, tipped green	15	1 50
Ida. Pure yellow	25	2 50
Jaune Supreme. Deep yellow	25	2 50
Golden Sceptre. Pure yellow	$0 15	$1 50
King of the Yellows. Extra deep yellow	25	2 50
La Citroniere. Bright citron	20	2 00
La Pluie d'Or. Yellow	12	1 25
*Minerva. Orange; new	12	1 25
Obelisque. Large truss	35	3 50
Rhinoceros. Pale orange	20	2 00
Sonora. Fine nankeen-yellow; large and handsome spike	20	2 00
*Sunflower. Buff-yellow	15	1 50
*William III. Apricot-yellow	15	1 50

COLLECTIONS OF HYACINTHS, OUR SELECTION.

No. 1. **12 Named Hyacinths,** for house-culture in pots or glasses $1 25
No. 2. **12 Fine Named Hyacinths,** for house-culture in pots or glasses 2 00
No. 3. **12 Extra-fine Hyacinths,** for house-culture in pots or glasses 3 00
No. 4. **50 Fine Named Double** and **Single Hyacinths,** in 12 varieties 4 50
No. 5 **100 Fine Named Double** and **Single Hyacinths,** in 25 varieties 8 00

MIXED HYACINTHS IN SEPARATE COLORS.

Suitable either for Forcing or Bedding.

Our Mixed Hyacinths should not be confounded with the small-size, low-priced mixtures often sold. Our bulbs are all large size, measuring 6 inches and over in circumference. Being furnished in so many separate colors, splendid bedding effects may be produced with them. They are also admirably adapted for forcing in the greenhouse for winter cut-flowers.

If ordered by mail, add 15 cents per dozen for postage.

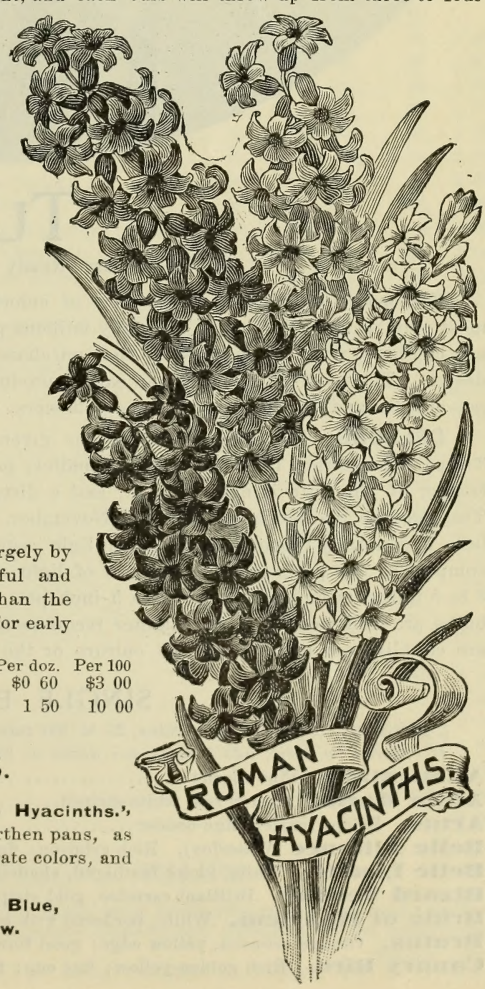
☞ Three of a color at dozen rates, 25 of a color at 100 rates.

	Per doz.	Per 100
Single Dark Blue	$0 75	$5 00
" **Light Blue**	75	5 00
" **Blue.** All shades	75	5 00
" **Dark Red**	75	5 00
" **Red and Rose.** All shades	75	5 00
" **Red.** All shades	75	5 00
" **Pure White**	75	5 00
" **Blush White**	75	5 00
" **White.** All shades	75	5 00
" **Yellow.** All shades	75	5 00
" **ALL COLORS MIXED**	75	5 00

	Per doz.	Per 100
Double Dark Blue	$0 85	$5 50
" **Light Blue**	85	5 50
" **Blue.** All shades	85	5 50
" **Dark Red**	85	5 50
" **Red and Rose.** All shades	85	5 50
" **Red.** All shades	85	5 50
" **Pure White**	85	5 50
" **Blush White**	85	5 50
" **White.** All shades	85	5 50
" **Yellow.** All shades	1 00	6 00
" **ALL COLORS MIXED**	85	5 50

ROMAN HYACINTHS.

Extensively used by florists for forcing for cut-flowers. For this purpose they are the best and most popular of bulbs. The flowers are pure white, delightfully fragrant, and each bulb will throw up from three to four spikes. For forcing, three or four bulbs are generally planted in a suitable pot, in good soil (as recommended for other varieties). The pots must be kept in a cool and dark place until fill with roots, when the flower-spikes can be rapidly developed by exposure to light and moderate heat. They are very easily grown and extremely early; and by making successive plantings they may be had in flower all through the winter. The blue and rose Roman Hyacinths flower from one to two weeks later than the white variety.



If by mail, add 10 cents per dozen for postage.

	Each	Per doz.	Per 100
Pure White Roman. Extra-elected, largest, per $1,000, $25	$0 06	$0 50	$3 00
Pure White. Second size, 1,000, $20	05	45	2 50
Double Rose-Pink Roman	05	50	2 50
Double Dark Rose Roman	05	50	2 50
Single Blue Roman	05	50	2 50
Double White Pearl	15	1 50	10 00

ITALIAN HYACINTHS.

These are, like the Roman Hyacinths, also grown largely by florists for cutting. The flowers are single, very graceful and fragrant, and produced abundantly. They are hardier than the Romans, and may be planted outside in the fall for flowers for early spring cutting.

	Each	Per doz.	Per 100
Single White Italian	$0 08	$0 60	$3 00
Single Canary-Yellow Italian	15	1 50	10 00

MINIATURE HYACINTHS.

These are also known as **"Dutch Roman"** and **"Pan Hyacinths."** They are very suitable for growing in groups in pots or earthen pans, as shown in the illustration on page 2. We offer them in separate colors, and also mixed, as follows:

Pure White, Rosy Red Light Blue,
Cream White, Dark Blue, Yellow.
Dark Red, Mixed, All Colors.

Price 60 cts. per dozen, $4 per 100.

TULIPS.

☞Tulips are Ready for Delivery in September.

For beauty of form and brilliancy of coloring, Tulips are unequaled. For bedding they are the most popular and effective of all hardy bulbous plants. In our descriptions we give the color and average height to which they grow, so that purchasers can select suitable sorts for forming display beds in design. The most gorgeous effects can be produced by harmonious massing of contrasting colors. For pot-culture and forcing for winter cut-flowers, they are also invaluable.

CULTURE. The cultural directions given for Hyacinths on page 2 are equally applicable to Tulips, except that the bulbs, being smaller, must not be planted quite so deep. Four inches to the bottom of the bulb is deep enough, and a distance of 5 or 6 inches between the bulbs is sufficient. They may be planted in October and November, before the ground freezes. A little sand around each bulb is generally recommended, but in light, sandy soil this may be dispensed with. For pot-culture, a compost of two parts loam to one part of light manure, with some sand intermixed, is suitable. From 3 to 5 bulbs, according to size, in a 5-inch pot, are very effective. The pots should be buried until the bulbs are well rooted, in the manner recommended for Hyacinths. Most of the varieties named below are equally well adapted for pot-culture or the open border.

SINGLE EARLY TULIPS.

☞Six of a kind at dozen rates, 25 at 100 rates.
If ordered by mail, add 5 cents per dozen or 20 cents per 100 for postage.

		Height, inches		Per doz.	100
Admiration.	Fine scarlet	8	3 for 10c.	$0 30	$1 50
Alida Maria.	Cherry red, white striped	6	each 8c.	60	4 00
Artus.	Bright scarlet; fine bedder	6	3 for 10c.	25	1 25
Belle Alliance	(Waterloo). Rich crimson; fine forcer or bedder	7	3 for 10c.	30	1 50
Belle Lisette.	White, violet-feathered, shaded blue	6	each 5c.	40	2 50
Bizard Verdict.	Brilliant carmine, gold striped	6	3 for 10c.	25	1 25
Bride of Haarlem.	White, bordered with bright crimson; extra large	6	each 10c.	1 00	7 00
Brutus.	Orange-crimson, yellow edge; good forcer	6	3 for 10c.	25	1 25
Canary Bird.	Rich golden yellow; fine cup; fine for forcing	8	each 5c.	40	2 50

SINGLE EARLY TULIPS—continued.

		Height, inches			Per doz.	100
Cardinal's Hat.	Dark crimson	8	2 for	5c.	$0 20	$1 00
Chrysolora.	Splendid; pure yellow; good forcer or bedder	8	each	5c.	35	2 00
Cottage Maid.	White, with rose edge; for forcing or bedding	6	each	5c.	35	2 00
Couleur Cardinal.	Brilliant crimson; fine for bedding	8	each	6c.	50	3 00
Couleur Ponceau.	Rose, crimson border, on white ground	8	3 for	10c.	25	1 25
Crimson King	(Roi Cramoisie). Bright crimson; large flowers; fine bedder	7	3 for	10c.	25	1 25
De Keyser.	Extra large; fine scarlet	6	each	8c.	60	4 00
De Vlieger.	Very beautiful rose color	7	each	6c.	50	3 00
Duc de Berlin.	Red and yellow; early; fine	6	each	5c.	40	2 50
Duchesse de Parma.	Red, yellow border; forcer and bedder	9	3 for	10c.	25	1 25
Duke of Orange.	Orange and yellow	6	3 for	10c.	25	1 25
Dusart.	A splendid dark scarlet, unsurpassed for bedding	8	each	5c.	40	2 50
Fabiola.	Large; white, deep violet striped	8	each	5c.	40	2 50
Golden Prince.	Bright yellow; fine for forcing or bedding	7	each	5c.	35	2 00
Grand Duke of Russia.	Beautiful violet, streaked white	6	each	5c.	35	2 00
Grootmeester van Maltha.	Dark crimson, feathered white	8	each	8c.	60	4 00
Jagt van Delft.	Pure white; good cup form	7	3 for	10c.	25	1 25
Joost van Vondel.	Crimson and white; fine forcer or bedder	8	3 for	10c.	30	1 75
Keizerkroon.	Red, golden yellow border; fine forcer or bedder; extra large	9	3 for	10c.	30	1 50
King of the Yellows.	Very deep golden yellow; extra fine	8	each	8c.	60	4 00
Lac van Rhyn.	Dark violet, bordered white; distinct	6	3 for	10c.	25	1 25
La Matelas.	Rose, edged white; splendid; early forcer	8	each	25c.	2 50	
La Reine	(Queen Victoria). White, rose border; best white forcer	7	3 for	10c.	30	1 50
L'Immaculee.	Pure white; fine forcer; very early	7	3 for	10c.	25	1 25
Macs.	Dazzling scarlet; very large flower; splendid novelty	6	each	30c.	3 00	
Mon Tresor.	Large; pure yellow; extra fine; early forcer	8	each	6c.	50	3 00
Moucheron.	Beautiful deep scarlet; fine, large flower	8	each	6c.	50	3 00
Netscher.	Violet	7	3 for	10c.	30	1 50
Ophir d'Or.	Largest, deep, pure yellow; splendid forcer	6	each	8c.	60	4 00
Pax Albo.	White; extra fine; very dwarf	6	3 for	10c.	30	1 50
Pottebakker, Yellow.	Bright canary, yellow striped	8	each	5c.	40	2 50
" **White.**	White self, good form; fine forcer	8	each	5c.	40	2 50
" **Scarlet.**	Very effective; bright scarlet	8	3 for	10c.	30	1 50
Prince of Austria.	Splendid; orange-red; very fragrant; extra for forcing	9	each	6c.	50	3 00
Princess Mary Ann.	Rosy white; extra large; fine forcer or bedder	7	3 for	10c.	30	1 50
Proserpine.	Extra; salmon-pink; very fine form; good forcer	8	each	5c.	40	2 50
Purple Crown.	Dark purplish red	6	3 for	10c.	25	1 25
Queen of the Netherlands.	(New.) Large, egg-shaped flower; most beautiful, soft rose; excellent for forcing	7	each	30c.	3 00	
Rembrandt.	Superb; bright scarlet; large flower; fine forcer	8	each	5c.	40	2 50
Roi Pepin.	Splendid rose, with white markings	7	each	15c.	1 50	10 00
Rosa Mundi Huikman.	Rose and white	8	3 for	10c.	30	1 75
Rose Aplati.	White, with soft rose edge; beautiful	7	each	8c.	75	4 50
Rose Gris-de-lin.	White and dark rose; fine forcer and bedder	6	each	5c.	40	2 50
Rose Luisante.	Deep rose; beautiful, large flower	6	each	10c.	1 00	7 00
Rose Tendre.	Rose and white; splendid	6	each	6c.	50	3 00
Scarlet Perfection.	Beautiful soft scarlet; immense flower	8	each	12c.	1 25	8 00
Standard Royal Silver.	White, crimson striped	7	each	5c.	35	2 00
Standard Royal Gold.	Crimson-yellow, striped and shaded	7	each	8c.	60	4 00
Superintendent.	Violet and white; dwarf; very pretty	6	each	30c.	3 00	
Thomas Moore.	Buff-orange, shaded; distinct; fine bedder	9	each	5c.	40	2 50
Van Berghem.	Large, rosy pink; fine for forcing	7	each	6c.	50	3 00
Van der Helst.	White, dark rose edge; fine forcer	8	each	5c.	40	2 50
Van Goijen.	Rosy white; very beautiful	7	each	5c.	35	2 00
Vermilion Brilliant.	Most brilliant vermilion; fine for pots	7	each	8c.	60	3 50
Wapen Van Leiden	(Arms of Leiden). White, rose shaded	8	3 for	10c.	25	1 25
Wouverman.	Splendid; dark violet	6	3 for	10c.	30	1 50
White Falcon.	White, slightly shaded rose	8	each	8c.	60	4 00
White Swan.	Pure white; true	8	each	5c.	35	2 00

SINGLE LATE-FLOWERING TULIPS.

These are all tall-growing May-flowering Tulips, with very large, most brilliantly colored flowers of perfect form. They will be found invaluable for garden work. The named Bizarres and Bybloems are the sorts grown by florists for show purposes.

				Per doz.	100
Bizarres.	Crimson, violet-purple, etc., on yellow ground (25 named varieties.)	each	8c.	$0 60	$4 00

SINGLE LATE-FLOWERING TULIPS—continued.

			Per doz.	100
Byblooms.	Purple, violet and maroon, on white ground (25 named varieties)	each 8c.	$0 60	$4 00
"	Rosy on white (25 named varieties)	each 8c.	60	4 00
Breeders.	Assorted; separate colors	each 8c.	75	5 00
Mixed	Bizarres, Byblooms and Breeders, see under head of "Mixed Tulips," page 10.			
Bouton d'Or.	The only late pure deep yellow; very beautiful; fine for cutting	each 5c.	40	2 50
Gesneriana.	Dazzling scarlet, black center; very effective in beds; also fine for cutting	3 for 10c.	30	1 50
Golden Crown.	Deep yellow edged red; fine for cutting	3 for 10c.	25	1 25
Golden Eagle or **Yellow Gesneriana.**	Deep yellow, with narrow orange-red fringe	each 5c.	35	2 00
Isabella.	Rose and white; very fine	each 8c.	60	3 50
Picotee	(Maiden's Blush). Pure white, faintly edged pink. Flowers long, narrowing to the center and reflexing at the top	each 10c.	90	6 00

DOUBLE TULIPS.

The Double Tulips come into bloom a little later than the single varieties. They are splendid for bedding, and the flowers last longer in bloom than the single sorts. Some of the sorts are quite dwarf.

If ordered by mail, add 6 cents per dozen for postage.

		Height, inches		Per doz.	100
Agnes.	Very brilliant red; early; quite dwarf	5	each 5c.	$0 35	$2 00
Alba Maxima.	Pure white; early	6	each 5c.	40	2 50
Blanche Hative.	Earliest pure white	7	each 12c.	1 25	8 00
Bleu Celeste	(Blue Fag). Violet-blue; late	14	3 for 10c.	30	1 50
Couronne d'Or.	Beautiful orange-yellow; large, handsome flowers	9	each 8c.	65	4 50
Duke of York.	Crimson and buff	8	3 for 10c.	35	1 75
Gladstone.	Dark rose; very fine; early	8	each 5c.	40	2 50
Gloria Solis.	Rich bronze-crimson, with yellow border; early	8	3 for 10c.	30	1 50
Helianthus.	Scarlet, with yellow border; early	6	each 5c.	35	2 00
Imperator Rubrorum.	Rich crimson-scarlet; fine forcer; early	8	each 6c.	50	3 00
Lady Grandison.	Dwarf scarlet; fine for bedding; early	8	each 5c.	35	1 75
La Candeur.	Pure white; fine for bedding with *Rex Rubrorum*	6	3 for 10c.	30	1 50
Le Blason.	Blush white, tinted with rose; fine flower; early	6	each 5c.	40	2 50
Mariage de ma Fille.	Pure white, striped with rose; late-flowering	6	each 6c.	50	3 00
Murillo.	Beautiful rosy white; fine for forcing; early	6	each 6c.	50	3 50
Pæony Gold.	Clear golden yellow; late-flowering	7	each 5c.	35	1 75
Pæony Red.	Fine, deep red; late-flowering	7	3 for 10c.	30	1 50
Pourpre Blanc Bordé.	Purple, white bordered; late	8	3 for 10c.	30	1 50
Princess Alexandra.	Crimson, golden yellow border; early	6	each 5c.	40	2 50
Purperkroon.	Deep purple; early	8	3 for 10c.	30	1 50
Raphael.	Fine, delicate rose; extra large flower; early	7	each 25c.	2 50	
Reine des Roses.	Delicate pink; very beautiful; early	7	each 15c.	1 50	
Rex Rubrorum.	Brilliant scarlet; fine for bedding with *La Candeur*	9	each 5c.	40	2 50
Rosalie	(Double Proserpine). Carmine pink; extra fine; early	6	each 5c.	35	2 00
Rose Blanche.	Extra pure white; very fine; early	6	3 for 10c.	30	1 50
Rose d'Amour.	New; most beautiful delicate rose; early	8	each 40c.	4 00	
Rosenkroon.	Carmine-rose; early	7	each 5c.	35	2 00
Rosine.	White, tinged rose; tall; semi-double; early	9	each 5c.	35	2 00
Rubra Maxima.	Dark scarlet; splendid flower; early forcer	6	each 8c.	60	4 00
Salvator Rosa.	White, flamed deep rose; splendid for forcing; early	8	each 8c.	60	4 00
Titian.	Red; yellow bordered; fine bedder; early	6	3 for 10c.	30	1 50
Toreador.	Red, with rich orange-yellow border; splendid; early	7	each 20c.	2 00	
Tournesol.	Scarlet and yellow; earliest double	8	each 5c.	40	2 50
Tournesol Yellow.	Orange shaded; very early	8	each 8c.	65	4 50
Yellow Rose.	Pure golden yellow; late-flowering; sweet-scented	9	3 for 10c.	30	1 50

SINGLE TULIPS IN SEPARATE COLORS FOR BEDDING.

For design beds we have prepared the following mixtures in separate colors. They are made up of sorts that all grow about the same height and flower at the same time.

	Per doz.	100	1,000		Per doz.	100	1,000
Yellows	$0 30	$1 50	$10 00	**Rose Color**	$0 35	$1 75	$12 00
Variegated	25	1 25	9 00	**Scarlet**	25	1 25	9 00
Whites	30	1 50	10 00	**Mixed, all colors**	20	1 00	8 00

DUC VAN THOL TULIPS.

The Duc Van Thols are the earliest of all the Tulips. They are of dwarf habit, and well adapted for forcing and for pot culture. They bloom outdoors before the early single Tulips.

If ordered by mail, add 6 cents per dozen for postage.

	Height, inches		Per doz.	100
Red. Bordered with yellow	6	3 for 10c.	$0 25	$1 25
Maximus. Red, yellow edge; fine form	6	each 6c.	50	3 00
Rose. Milky white, shading to beautiful rose	6	each 5c.	35	2 00
Scarlet. Dazzling reddish scarlet	per 1,000, $6..7	3 for 10c.	30	1 50
Crimson. Bright crimson	7	3 for 10c	25	1 25
Orange. Very fine	6	each 5c.	35	2 25
Vermilion. Bright vermilion	6	3 for 10c.	30	1 50
Gold Striped. Glossy red, striped with golden yellow	6	3 for 10c.	25	1 25
Violet. White edged; very dwarf	6	3 for 10c.	25	1 25
Yellow. Citron-yellow	6	each 6c.	50	3 00
White. Clear satiny white	6	each 5c.	35	2 25
Double Red and Yellow Bordered	6	2 for 5c.	20	1 00
" **Scarlet.** Extra fine forcer	6	3 for 10c.	30	1 50
" **Violet.**	6	3 for 10c.	30	1 50

DARWIN TULIPS.

These belong to the class of single late-flowering Tulips (page 8), being in fact modern forms of *Gesneriana*. They grow very tall, with large flowers of fine form. Being borne on very long stems, they are excellent for cutting to put in vases for house decoration. They are all single, self-colored, and surpass all others in brilliancy and variety of coloring. They are also most effective for bedding. Besides the mixture, we offer the following named sorts:

	Each	Per doz.
King of the Reds. Red, fine	$0 08	$0 60
Joost van den Vondel. Brown-red	08	60
Gigli. Brown-purple	08	60
Baron von Brunow. Violet	08	60
Wilhelmina. Brown-red	08	60
General Boulanger. Dark red	08	60
Besronia delle Fore. Lilac-violet	$0 08	$0 60
Tolleno. Red	08	60
Zeno. Brown-red	08	60
Van Speyk. Blue-violet	08	60
Pitzepios. Lilac-rose	08	60
Soas. Rose and lilac	08	60

PARROT TULIPS.

For outdoor cultivation. The petals of these have feathered edges, and in addition to other colors combine shades of green—a peculiarity confined to this class. The flowers are very singular and picturesque, of large size and brilliant color, and form very effective groups for the flower border. *Very late in flowering.*

If ordered by mail, add 6 cents per dozen for postage.

	Each	Per doz.	100
Café Brown. Brown and yellow striped	$0 05	$0 35	$2 00
Constantinople. Large, blood-colored flowers, tipped with orange	05	35	2 00
Lutea Major. Large, yellow flowers	05	35	2 00
Markgrave of Baden. Bright yellow flowers, striped with scarlet	05	35	2 00
Monstre Rouge Major. Large; dark crimson; very handsome; late	10	1 00	6 00
Monstre Cramoisie Brilliant. Deep crimson flowers, with large black, star-shaped center	06	50	3 00
Perfecta. Yellow, spotted red.	05	35	2 00
Mixed, all colors	3 for 10cts...	30	1 50

Parrot Tulips.

MISCELLANEOUS AND BOTANICAL TULIPS.

If ordered by mail, add 5 cents per dozen for postage.

		Each	Per doz.
Tulipa carinata.	Purple-red	$0 06	$0 50
" **celsiana** *(Australis).*	Yellow, outside maroon	08	75
Tulipa Clusiana	(The Lady Tulip). Red stripes, black center on white ground	15	1 50
" **cornuta**	(Chinese). Scarlet and yellow	10	1 00
" **elegans.**	Crimson; very fine	08	75
" **Florentina odorata.**	Yellow; violet-scented	05	40
" **Fulgens.**	Crimson	08	75
" **Gesneriana.**	Large; bright crimson; blue eye; fine for bedding	per 100, $1.50	3 for 10 30
" **Greigii.**	Light orange, black center; spotted leaves	20	2 00
" **maculata.**	Bright red, with black blotch	15	1 50
" **Oculus Solis**	(Cotton Tulip, or Sun's Eye.) Vermilion, with black eye	08	80
" **Persica.**	Yellow; sweet-scented	06	50
" **retroflexa.**	Yellow; recurved petals	08	75
" **Sylvestris**		05	40
" **viridiflora.**	Green and white	06	50

Tulipa Greigii.

VARIEGATED AND STRIPED-LEAVED TULIPS.

		Height, inches		Per doz.	100
Duc van Thol.	Double; red with yellow border	6	each 8c.	$0 60	$4 00
Golden Prince.	Single; beautiful and distinct; fine for bedding	7	each 10c.	1 00	
La Candeur.	Double; white; very fine for bedding	7	each 10c.	1 00	
Purple Crown.	Single; deep purplish red; early	6	each 5c.	30	1 50
Rex Rubrorum.	Double; very beautiful; color softer than the ordinary	8	each 6c.	50	3 00
Rose Louisante.	Single; deep rose; very fine	6	each 40c.	4 00	
Standard Royal, Silver.	Single; red and white; fine bedder	7	each 8c.	75	
Yellow Rose.	Double; fine yellow; late; very sweet-scented	9	each 5c.	40	2 50
Tournesol.	Double; red and yellow	8	each 8c.	75	
Waterloo.	Scarlet; single	7	each 15c.	1 50	

MIXED TULIPS.

For bedding. Planted in large masses, these make a magnificent show, and, being inexpensive, should be largely used. Our special mixtures of Early Single and Early Double Tulips are made up of the finest bulbs and the brightest colors. If planted in large beds, they will produce an exceedingly beautiful and lively effect.

If ordered by mail, add 6 cents per dozen for postage.

		Per doz.	100	1,000
Fine Mixed, EARLY SINGLE.	Thorburn's Special Mixture; extra choice	$0 20	$1 00	$8 00
" " **EARLY DOUBLE.**	Thorburn's Special Mixture; extra choice	20	1 00	9 00
" " **Late Single**		30	1 50	10 00
" " **Late Double**		20	1 00	8 00
" " **Bizarres**		30	1 50	10 00
" " **Bybloems**		30	1 75	12 00
" " **Rosy on White**		30	1 75	12 00
" " **Parrot**		30	1 50	10 00
" " **Breeders,** or **Mother Tulips**		30	1 75	12 00
" " **Darwin.**	New; single, late, self-colored; mixed	35	2 25	20 00

CHOICE COLLECTIONS OF TULIPS, OUR SELECTION.

No. 1. One each of the following **12 varieties Named Early Single Tulips** for house culture or bedding..$0 40

Artus,	**Cottage Maid,**	**Keizerkroon,**	**Pottebakker White,**
Belle Alliance,	**Couleur Ponceau,**	**La Reine,**	**Rosa Mundi,**
Chrysolora,	**Duchesse de Parma,**	**L'Immaculee,**	**Wapen van Leiden.**

No. 2. Two each, same **12 varieties as in Collection No. 1** (24 named bulbs)..... 65

No. 3. Four each, same **12 varieties as in Collection No. 1** (48 named bulbs)..... 1 20

No. 4. **100 Fine Named Early Single Tulips** in 25 varieties..... 3 00

No. 5. **100 Fine Named Double Tulips** in 25 varieties..... 3 00

Bed of Tulips.

TULIP BEDS.

It is to be regretted that the gorgeous displays presented by the Tulip beds of our public parks should so seldom be seen on our private lawns. Tulips are so hardy and of such easy culture that failure to obtain satisfactory results is possible only by selecting unsuitable *sorts*. In order to obviate this difficulty, we give the following groups of sorts that bloom at the same time and are of equal height. Any of these groups will form an effective combination. After the Tulips have flowered, the beds can be used for bedding plants, such as Geraniums, etc., to full advantage. Rich soil is necessary.

It is advisable to order as soon as possible after receipt of this Catalogue, as later on in the season we may be sold out of some varieties, owing to an unusual demand for them. In that case we shall substitute equally fine sorts of same color and time of bloom.

GROUPS OF TULIPS THAT WILL FORM EFFECTIVE COMBINATIONS.

SINGLE TULIPS.

Duc van Thol Scarlet.
La Reine.

L'Immaculee.
Duc van Thol Scarlet.
Rose Gris-de-lin.

Proserpine.
Pottebakker Yellow.
" White.

Golden Prince.
Cottage Maid.
Pottebakker White.
Couleur Ponceau.

SINGLE TULIPS.

Belle Alliance.
Princess Mary Ann.
Mon Tresor.

Pottebakker Scarlet.
Chrysolora.
Joost van Vondel.

Duchesse de Parma.
Keizerkroon.
Pottebakker White.

White Swan.
Wouverman.

SINGLE TULIPS.

Gesneriana, Red.
Bouton d'Or, Pure Yellow.

☞ These two grow about 14 inches high.

DOUBLE TULIPS.

Rosine.
Tournesol Red.
" Yellow.

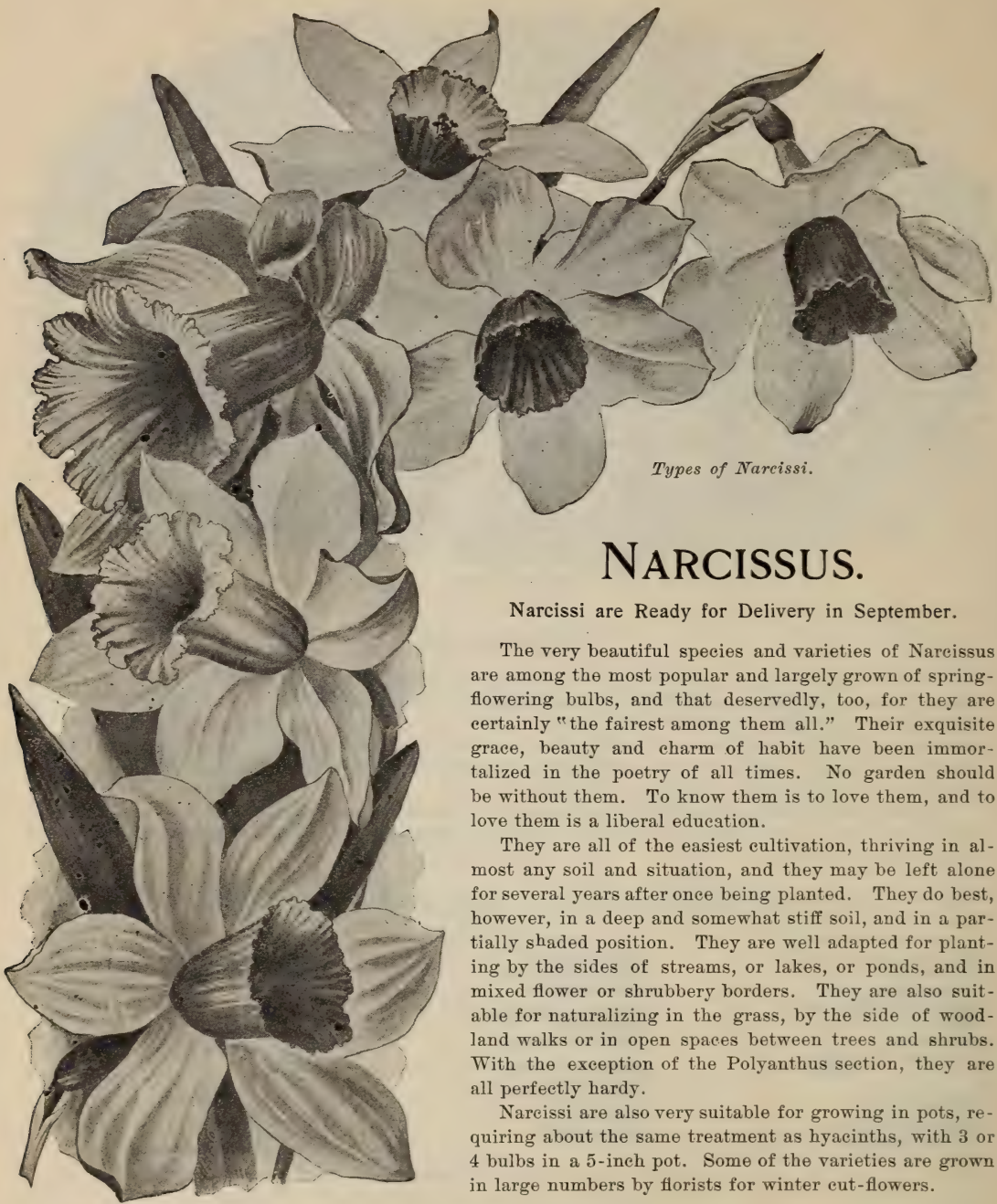
Rex Rubrorum.
La Candeur.
Imperator Rubrorum.

ALLIUM.

Ready in October.

Perfectly hardy bulbous plants of the easiest cultivation. They are excellent for the flower border or for naturalizing in masses. The varieties offered below are also suitable for forcing for winter cut-flowers.

	Each	Doz.	100
Neapolitanum. Large umbels of pure white flowers, borne on long stems; valuable for forcing for winter cut-flowers, as well as for summer garden decoration	$0 05	$0 25	$1 25
Moly luteum. Golden yellow flowers in large umbels; very showy and attractive; fine for growing in the garden in groups or for naturalizing in masses	2 for 5 cts.	20	1 00
Hermettii grandiflorum. Makes a splendid pot-plant for winter blooming in the house, the handsome, large, pure white flowers being produced abundantly and for a long time; largely used by florists for forcing for cut-flowers	05	30	1 50



Types of Narcissi.

NARCISSUS.

Narcissi are Ready for Delivery in September.

The very beautiful species and varieties of Narcissus are among the most popular and largely grown of spring-flowering bulbs, and that deservedly, too, for they are certainly "the fairest among them all." Their exquisite grace, beauty and charm of habit have been immortalized in the poetry of all times. No garden should be without them. To know them is to love them, and to love them is a liberal education.

They are all of the easiest cultivation, thriving in almost any soil and situation, and they may be left alone for several years after once being planted. They do best, however, in a deep and somewhat stiff soil, and in a partially shaded position. They are well adapted for planting by the sides of streams, or lakes, or ponds, and in mixed flower or shrubbery borders. They are also suitable for naturalizing in the grass, by the side of woodland walks or in open spaces between trees and shrubs. With the exception of the Polyanthus section, they are all perfectly hardy.

Narcissi are also very suitable for growing in pots, requiring about the same treatment as hyacinths, with 3 or 4 bulbs in a 5-inch pot. Some of the varieties are grown in large numbers by florists for winter cut-flowers.

SINGLE NARCISSUS, or DAFFODILS.

If ordered by mail, add 13 cents per dozen for postage.

	Each	Per doz.	100
Achilles. Long yellow trumpet; handsome; very early	$0 05	$0 50	$3 00
Albicans. The "Swan's Neck" or "White Spanish" Daffodil. Large white trumpet, tinged cream-color, and beautifully fringed at brim	10	1 00	7 00
Ard Righ (Irish King). Magnificent golden yellow trumpet; very large and graceful. One of the earliest and finest for forcing	15	1 50	8 00
Barri conspicuus. Lovely shape; broad sulphur petals, heavily stained orange-scarlet.	10	1 00	7 00
Bicolor Horsfieldii. "Queen of Daffodils." Rich golden yellow trumpet; pure white and well expanded perianth; a magnificent flower; fine forcer	10	1 00	6 00
Bicolor Empress. Flowers similar to the Horsfieldii, but larger; an excellent forcer	15	1 50	8 00

SINGLE NARCISSUS—continued.

	Each	Per doz.	100
Bicolor Rugilobus. Sulphur perianth and golden trumpet	$0 08	$0 60	$3 50
Biflorus. White; 2 or 3 on a stem; late; fine for planting in grass and wood walks ....3 for 10 cts...		25	1 25
Bulbocodium (Hoop Petticoat). Rich golden yellow; for forcing	10	1 00	7 00
Bulbocodium Monophyllum, or **Clusii.** Pure white, very early; fine for pots	10	75	5 00
Countess of Annesley. A splendid, large-flowering variety, with rich golden yellow trumpet and sulphur perianth; finest form	15	1 50	9 00
Cyclamineus. Lemon-yellow, cyclamen-like flowers; very attractive.	20	2 00	12 00
Emperor. Flowers of great size and substance, primrose petals, yellow trumpet	15	1 50	9 00
Etoile d'Or (Golden Star). Bright yellow; very pretty	05	50	3 00
Golden Spur. Distinguished by its enormous flower, wide trumpet and rich golden color; fine	10	1 00	7 00
Grandee Maximus. Extra large flower, clear yellow trumpet, white perianth; dwarf habit	15	1 50	9 00
Henry Irving. Large, golden yellow; one of the best for cutting	10	1 00	7 00
Incomparabilis. Single yellow; early; fine for cutting	05	25	1 25
Incomparabilis Cynosure. Bright orange cup, large white perianth; early	05	30	1 50
Incomparabilis Figaro. Cup orange, perianth yellow; very large.	05	30	1 50

Narcissus Poeticus Ornatus.

	Each	Per doz.	100
Incomparabilis Sir Watkin (Giant Welsh Chalice Flower). Golden crown, primrose perianth. Largest of all, often over 5 inches across	$0 15	$1 50	$9 00
Leedsii. Pure white, star-shaped, sweet-scented flowers; fine for cutting	05	30	1 50
" **Duchesse de Brabant.** White perianth, lemon cup; good for forcing..	05	40	1 75
" **M. M. de Graaff.** Broad, white, well-formed perianth, with large orange cup	40	4 00	
" **Mrs. Langtry.** White perianth, large white cup edged golden yellow; beautiful	25	2 50	
Maximus, or **Vase of Beaten Gold.** Very large, rich golden trumpet, fringed.	10	1 00	6 00
Muzart Orientalis. White, with orange crown; very large and distinct	05	50	2 50
Obvallaris Maximus (Tenby Daffodil). Early; yellow; large; fine forcer	10	75	4 00
Pallidus Præcox. One of the earliest and loveliest of Trumpet Daffodils; delicate self pale straw color, passing to white; fine for forcing	10	75	4 50
Poeticus (Pheasant's Eye). Pure white, with red cup; fine for cutting.....2 for 5 cts...		20	75
" **Ornatus.** Same color as *Poeticus*, but the flowers are larger. It is one of the most valuable for cut flowers, being very early and of great beauty and substance.	05	35	2 00
" **poetarum.** Pure white, with very bright orange-scarlet eye	10	1 00	6 00
Princeps. Sulphur-yellow perianth and deep yellow trumpet; long, handsome flower; valuable for forcing or outdoor culture. A splendid variety	05	45	2 25
Pseudo-Narcissus (Lent Lily). Petals white, trumpet yellow; for naturalizing	05	45	2 25
Scoticus (The Garland Lily). Large white petals, bright yellow trumpet; prettily fringed .	08	60	3 50
Tenuior (Silver Jonquil). Handsome dwarf variety; sulphur-white	08	75	4 50
Trumpet Major. Large, early; deep golden yellow; earliest for forcing	05	45	2 25
Mixed. All trumpet sorts	05	40	1 75
Mixed Early Single. All sorts	05	30	1 25

DOUBLE NARCISSUS, or DAFFODILS.

If ordered by mail, add 12 cents per dozen for postage.

	Each	Per doz.	100
Albus Plenus Odoratus. Double, pure white, very sweet scented; for outdoors	$0 05	$0 30	$1 50
Incomparabilis (Butter and Eggs). Lemon and orange; fine for forcing or outdoors ..	05	30	1 50
Orange Phœnix (Eggs and Bacon). White and orange; fine for cutting	08	60	3 50
Sulphur Crown, or **Silver Phœnix.** Most beautiful, pure white; very double..	20	2 00	12 00
Tazetta (Roman). Very early; double yellow; for forcing and pot culture	05	30	1 50
Van Sion. The largest double yellow trumpet variety; extra fine for forcing, and most grown by florists. Our bulbs are Dutch-grown, of the pure golden yellow variety	05	50	2 50

POLYANTHUS NARCISSUS.

Invaluable for forcing. All very early; flowers exceedingly fragrant; may be grown in glasses or pots. If planted in open borders, must be protected over winter by a covering of litter.

Polyanthus Narcissus.

If ordered by mail, add 20 cents per dozen for postage.

Bazelman Major. Broad white perianth, deep yellow cup; largest of all. 30 cts. each, $3 per doz.

Bazelman Minor. White, with yellow cup; very early; large flowered. 10 cts. each, 80 cts. per doz., $5 per 100.

Gloriosus. White perianth, deep orange cup; very striking. 8 cts. each, 75 cts. per doz., $4 per 100.

Grand Monarque. White, with yellow cup; very large flower; vigorous grower. 8 cts. each, 60 cts. per doz., $3.50 per 100.

Grand Soleil d'Or. Yellow, with orange cup; very free blooming. 5 cts. each, 50 cts. per doz., $2.50 per 100.

Grand Primo. White, lemon cup. 8 cts. each, 60 cts. per doz., $3 per 100.

Jaune Suprême. Primrose, orange cup. 8 cts. each, 75 cts. per doz., $4 per 100.

Lord Canning. Yellow; extra fine; profuse bloomer. 10c. each, $1 per doz., $5 per 100.

Luna. Very pretty white variety. 8 cts. each, 75 cts. per doz., $4 per 100.

Maestro. Double; white, with orange cup; large flower; dwarf habit. 15 cts. each, $1.50 per doz.

Newton. Pure yellow, with orange cup; extra fine. 8 cts. each, 75 cts. per doz., $5 per 100.

Paper White. Pure white; earliest; valuable for forcing. 10 cts. for 3, 30 cts. per doz., $1.50 per 100.

Paper White, Large-flowering. Very early, and largely forced by florists for cut-flowers. Beautiful clusters of large pure white flowers. 5 cts. each, 35 cts. per doz., $2 per 100.

Queen of the Yellows. Extra fine; immense pure yellow flower. 12 cts. each, $1.25 per doz., $9 per 100.

Queen Victoria. White, with yellow cup; large, handsome flower. 8 cts. each, 75 cts. per doz., $4 per 100.

Staten General. White, with primrose-yellow cup; free bloomer. 6 cts. each, 50 cts. per doz., $3 per 100.

White Pearl. Perianth pure white, cup primrose; fine for cutting. 10 cts. each, $1 per doz., $5 per 100.

Mixed, White Sorts. 5 cts. each, 35 cts. per doz., $2 per 100.

Mixed, Yellow Sorts. 5 cts. each, 35 cts. per doz., $2 per 100.

Mixed, All Colors. 5 cts. each, 40 cts. per doz., $2 per 100.

JONQUILS.

A class related to the Narcissus, and suitable alike for pot-culture or planting out. The culture required is the same as for hyacinths.

If ordered by mail, add 6 cents per dozen for postage.

	Each	Per doz.	100
Single Yellow Sweet-scented ..... 2 for 5 cts...		$0 20	$0 75
Large Single (Campernelle). Yellow ..... 2 for 5 cts...		20	1 00
Odorus rugulosus. An improved Campernelle; deep yellow, large, crinkled flowers; very fragrant	$0 05	30	1 50
Large Double. Yellow	08	75	4 00
Silver Jonquil (*Narcissus tenuior*)	08	75	4 50

Lilies.

For stateliness of habit, beauty of form, and variety of coloring, the Lily is without a rival among bulbous plants. Many of the species are delightfully fragrant. Though they may nearly all be called hardy, it is well to protect them against frost in winter by a covering of ashes or litter. They are easily grown, and require little care. With the exception of *L. candidum* and *L. tigrinum*, which prefer a rich, deep loam, they all do best in a light, well-drained soil. Some peat or leaf-mould may be used to advantage. *L. auratum* cannot bear manure, but thrives in ordinary light soil. They all prefer a partial shade, and the taller sorts must have protection from high winds. Many of the stronger-growing kinds are well adapted for planting among shrubs. Most of them make splendid conservatory plants. For pot-culture, a compost of loam and peat in equal parts, with the addition of some sand, is recommended.

Lilium Washingtonianum.

Lilium Harrisii and Lilium candidum ready in August; all others not till November.

If ordered by mail, add 3 cents each for those marked (*); others from 1 to 2 cents each for postage.

	Each	Per doz.
***Atrosanguineum** (*Fulgens*). Dark crimson, black spots; very handsome	$0 25	$2 25
Bloomerianum. Clear orange-red, spotted maroon. 3 feet high	40	4 00
***Brownii.** Most beautiful flowers of immense size, inside creamy white, outside shaded chocolate-purple; it makes a splendid pot plant; 2½ to 3½ feet high	40	4 00
Bulbiferum. Orange, spotted purple	20	2 00
Camschatica. Purple-black fritillaria-shaped flowers; dwarf habit; plant in a sheltered position and protect well over winter	85	
Canadense. Our native "Meadow Lily;" graceful, drooping, bright yellow flowers, spotted red; 1½ to 3 feet	10	1 00
***Candidum** (Madonna Lily; St. Joseph's Lily). The common garden Lily; large, pure white, very sweet-scented flowers; valuable for forcing; 2 to 3 feet high	10 per 100, $6.50	1 00
***Candidum maculatum.** Striped-leaved; 4 feet	25	2 50
" **flore-pleno.** Double, white	25	2 50
Chalcedonicum (The true Scarlet Turk's Cap Lily). Brilliant scarlet, recurved flowers; 3 feet	60	6 00
***Colchicum** (*Monadelphum*). Citron, black spots; a splendid Lily; 2 feet high	1 00	
Columbianum. Bright orange-red, with crimson spots; very fragrant; 3 feet high, of graceful habit and easy cultivation	20	2 00
Excelsum (*Testaceum*). Lovely cream-colored flowers, tinged with apricot; very fragrant; 5 feet; stately and elegant form	35	3 50
***Giganteum.** A magnificent species, growing 6 to 10 feet high, and bearing many large funnel-shaped flowers, 5 to 6 inches long; color white, with purple throat; extra large bulbs	3 50	
Harrisii. See page 16.		
***Humboldtii.** A beautiful Lily, with orange-red flowers, spotted claret-color; 4 to 5 feet	25	2 50
***Longiflorum.** Pure white trumpet; bulbs 5 to 7 inches in circumference	10	1 00
" 7 to 9 inches in circumference	15	1 50
Maritimum. A rare and beautiful Lily; narrow, funnel-formed flowers; blood-red to orange-red, spotted with purple inside; 2 to 3 feet	40	4 00
Martagon. Purplish violet, spotted dark purple; 2 to 3 feet	25	2 50
" **Yellow.** Very fine yellow variety	35	3 50
Pardalinum (Leopard-spotted Lily). Bright orange-red, light yellow center, and large purple spots; 3 to 7 feet	15	1 25
Parryi. Large, pale yellow flowers; very rare	60	6 00
Parviflorum. Orange, spotted maroon	25	2 50
Parvum. Orange-yellow, spotted purple; 2 feet high	40	4 00
Philadelphicum. Bright orange-red, with black spots; 2 feet high	10	1 00
Rubescens. The most beautiful of our native Lilies. The flowers open pure white and change first to pink and then to deep wine color; very fragrant	70	7 00
Superbum (Turk's Cap Lily). Deep orange-red, thickly spotted; 4 to 6 feet	10	1 00
Tenuifolium. An elegant species, with very slender stems, bearing brilliant scarlet, drooping flowers in great numbers; 1 to 1½ feet high	25	2 50
Thompsonianum. Large, handsome, drooping, rose-colored flowers; 1½ feet high	20	2 00
Thunbergianum aurantiacum. Orange-red, with purplish spots; 1 foot	15	1 50
" **citrinum.** Handsome, lemon color; 1 foot	15	1 50
" **Kikak**	15	1 50
" **Prince of Orange**	15	1 50
***Tigrinum** (Tiger Lily). Orange-salmon, spotted black; 3 feet high	10	80
" **splendens.** Rich scarlet, with black spots; finest of all Tiger Lilies	10	1 00
" **flore pleno.** Double Tiger Lily; bright orange-red, with black spots; 4 to 5 ft.	12	1 25

LILIES—continued.

	Each	Per doz.
Umbellatum erectum. Orange, scarlet-spotted flowers; 1½ feet	$0 12	$1 25
" **grandiflorum**	12	1 25
Umbellatum incomparabile. Deep blood-red	12	1 25
Umbellatum Mixed	10	1 00
Wallacei. Dwarf habit; flowers rich orange, spotted maroon	15	1 50
***Washingtonianum.** A lovely native variety, of very stately habit; large, trumpet-shaped flowers, pure white, tinged purple or lilac; very fragrant; 4 to 7 feet high	30	3 00

Lilium Harrisii.

LILIUM HARRISII.

(BERMUDA EASTER LILY.)

Bulbs Ready Now.

The Bermuda Easter Lily is perhaps the finest and most popular of winter-blooming plants. The large, handsome, pure white, trumpet-shaped flowers are very sweet-scented and of great substance, and last a long time after cutting. Its stately and graceful habit renders it a perfect pot-plant for table or window decorations. It gets its popular name from the fact that it is so largely used for church decoration at Easter. It is easily grown and can be forced into flower in a remarkably short time. It is also well adapted to garden culture, but in this latitude the bulbs should have a good covering of ashes or litter to protect them over winter.

If ordered by mail, add from 10 to 20 cents per dozen for postage, according to size.

	Each	Per doz.	100
5 to 7 inches in circumference	$0 12	$1 25	$7 00
7 to 9 inches in circumference	20	2 00	12 00
9 to 11 " " very fine	35	3 50	26 00

CHINESE SACRED LILY.

(THE WATER-FAIRY FLOWER.)

Ready in September.

12 cts. each, $1.25 per dozen.

If ordered by mail, add 30 cents per dozen for postage.

A variety of the Polyanthus Narcissus, imported from China. The Chinese have the following interesting fable connected with this flower:

"Once upon a time a father left his property to his two sons, with the understanding that it should be equally divided; but the elder son seized all the tillable land and left the younger nothing but an acre covered with rocks and water. The younger son, failing to obtain justice, sat at the water's edge bemoaning his misfortune. A benevolent fairy appeared, and, giving him these Narcissus bulbs, told him to drop them into the water. Shortly afterward their flowers were developed, and the neighbors crowded to see the fairy's gift. In the course of a few years the badly treated brother accumulated a fortune by the rapid increase and sale of his bulbs. Then the elder brother, envious of the prosperity of the younger, bought up great numbers of the bulbs—hoping to get a monopoly by getting all of them—at so heavy a price that he was obliged to mortgage his property to procure funds for the purpose. He planted all his good land with bulbs, but they soon began to die, as they cannot live long out of water. He was ruined, while his brother, who had bought the mortgage, foreclosed it, and became possessed of the whole estate in time to plant some of the dying bulbs in the watery acre."

The bulbs should be placed from 3 to 6 in a bowl or glass dish of water which has been partly filled with pebbles, some of which place over the bulb so as to prevent them from floating. The water should be tepid and changed every two days. Submerge the bulb entirely, and place in a sunny window in a cool room.

12 cts, each, $1.25 per dozen.

Chinese Sacred Lily.

LILIES, continued—BEAUTIFUL JAPAN LILIES.

These do not generally arrive till November and December. We import our supply direct from Japan every year. Every garden should have some of these most beautiful and easily grown Lilies.

Lilium auratum.

Postage on these varies from 2 to 10 cents on each, according to size.

Auratum (Golden-Banded Lily). The grandest of all hardy Lilies; flowers white, spotted with maroon, having a bright yellow band through the center of each petal. The plant grows from 3 to 6 feet high.

7 to 9 inches in circumference. 10 cts. each, $1 per dozen, $6.50 per 100.

9 to 11 inches in circumference. 15 cts. each, $1.50 per dozen, $10 per 100.

11 to 13 inches in circumference. 25 cts. each, $2.50 per dozen, $16 per 100.

Auratum macranthum, or **platyphyllum.** A splendid variety of the above, with much larger flowers; of perfect form and great substance; 5 to 8 feet. 40 cts. each, $4 per doz.

Auratum rubro vittatum. Enormous flowers, sometimes measuring 10 inches across; pure white, beautifully spotted, and with a deep crimson stripe through center of each petal; very fragrant. 75 cts. each, $8 per doz.

Auratum pictum. Flowers like those of the common Auratum, but with larger spots; very beautiful. Has larger dots of red than the common Auratum. 50 cts. each, $5 per doz.

Auratum Wittei. Very large, pure white flowers, with raised spots of satiny white; a grand Lily; 4 to 6 feet. 75 cts. each, $7.50 per doz.

	Each	Per doz.
Auratum Virginale. Very large, pure white flowers, with yellow band through center of each petal; a magnificent variety, growing from 4 to 6 feet high	$0 65	$6 50
Speciosum album Krætzeri. Beautiful, pure white flowers, of large size; 2 to 4 feet high; one of the handsomest and easiest grown Lilies we have	20	2 00
" **rubrum.** White, shaded rose, and spotted deep red; 2 to 4 feet high	15	1 50
" **rubrum Melpomene.** Very dark, crimson spotted flowers of large size and striking appearance; 2 to 4 feet high	20	2 00
Batemanni. Richly colored, unspotted flowers of bright apricot tint; a most beautiful variety; 3 to 4 feet high	15	1 50
Coridion. Upright, star-shaped flowers of clear yellow, spotted with red	15	1 50
Krameri. White, slightly tinged with red; sweet-scented	15	1 50
Leichtlinii. Orange-red, with crimson spots; 2 to 3 feet high	30	3 00
" **Canary Yellow.** Like above, but in color pure canary yellow	35	3 50

LILY-OF-THE-VALLEY. (CONVALLARIA MAJALIS.)

Ready in November.

One of the most beautiful and admired spring-flowering plants, and universally sought for its neat and chaste outline and delicate odor. The growth is close, dwarf and compact, and the plant is hardy and permanent. It is now a most popular plant for forcing, which is easily done by planting the pips in pots, from 6 to 12 in each, watering freely, keeping in a cold cellar, and starting from week to week, to keep up a succession. They generally flower in three or four weeks after planting. They require a considerable amount of heat to start them.

Convallaria majalis. White flowers; fine large clumps, with 15 or more flowering pips on each. Fine for planting outside in shaded positions, and for naturalizing by the side of streams or wood walks. 30 cts. each, $3 per doz.

" " Strong pips for forcing. 50 cts. per bundle of 25, $1.75 per 100, $14 per 1,000.

ARUMS.

Ready for shipment in September and October.

A genus of curious and ornamental perennials, with peculiar and distinct foliage and flowers. They make handsome pot-plants, and are also very effective in sub-tropical gardening. *A. Dracunculus* is hardy, and may be left in the ground over winter, with a little covering. The others should be potted in the autumn and kept dormant till spring. They are all of easy cultivation, requiring rich soil and plenty of water during the growing season. A compost of rich loam, with a third of well-rotted manure and some sand, is very suitable.

If ordered by mail, add 3 cents each for postage.

	Each	Per doz.
Crinitum. Marble stems; broad, flesh-colored, spotted flowers, covered with hairs	$0 40	$4 00
Cornutum (Red Calla). Flowers red, spotted black; stems mottled; a handsome pot-plant	10	1 00
Dracunculus (Dragon-flower). A striking and very ornamental plant for pots or garden. It grows to a height of 3 feet, with mottled stem and handsome foliage, and very large brownish black flowers; hardy	15	1 50
Italicum. A hardy species from the Channel Islands, with creamy white flowers	08	75
Maculatum. A fine decorative plant; flowers white; green foliage, spotted black	10	1 00
Palæstinum sanctum. The new *Black Calla* from the Lebanon Mountains; a splendid pot and chamber plant, with fine, dark green foliage, large black spathe and black spadix ....per 100, $10..	15	1 50

Arum Dracunculus.

AMARYLLIS.

Ready in October.

Extremely ornamental greenhouse plants, with large fragrant, beautifully colored flowers. The most suitable soil is good loam, with one-fourth part of leaf-mould or pulverized manure, and some sand. Good drainage is very important. The growing season is from early spring until about September, when the plants should be kept cool and allowed to rest until February. They require plenty of sunshine, but in the flowering season a light shading tends to preserve the blossoms longer. Frequent disturbance of the roots is to be avoided. Established bulbs in large pots should have a top dressing each year when starting, and manure water during the growing season.

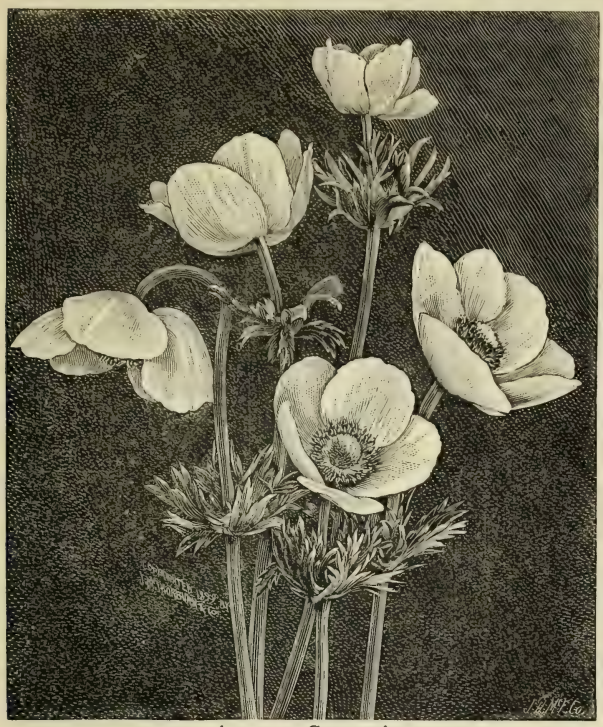
Amaryllis.

	Each	Per doz.
Aulica (Lily-of-the-Palace). Very large, handsome flowers; crimson, shaded with green	$1 25	
Belladonna. Violet and white; flowers in large umbels; very fragrant	20	$2 00
" **Major.** A large and improved form of the preceding	30	3 00
Cleopatra. Red, white margin	4 00	
Crocea. Scarlet, with white	2 00	
Equestris (Barbados Lily). Brilliant orange-scarlet, white throat	15	1 50
Formosissima (Jacobæan Lily). Pretty scarlet flowers; may be planted outside in the spring	15	1 25
Gigantea (Josephine). Very fine scarlet; flowering in immense umbels; these are extra-size bulbs	6 00	
Johnsonii (Spice Lily). Very large, exceedingly beautiful flowers; crimson, striped white	70	7 00
Longifolia rosea. Rose; hardy	30	3 00
" **alba.** White; hardy	35	3 50
Lutea (Sternbergia). Hardy autumn-flowering variety, with bright yellow crocus-like flowers....per 100, $4..	10	1 00
Orientalis. Fine; rare variety	4 00	
Ornatum. White, finely striped rose	3 50	
Prince of Orange. Bright orange	2 50	
Regina. Red and white; very handsome	3 00	
Vittata Mixed. Striped red and white	50	5 00
Mixed Hybrids. Beautifully colored hybrids; large bulbs	75	7 50

ANEMONE, or WINDFLOWER.

Very ornamental, hardy perennials, producing beautifully colored flowers in spring and summer. They do best in rich soil and in a sheltered and well-drained position. Plant in autumn. May also be grown in pots or forced in frames for early flowers.

If ordered by mail, add 15 cents per hundred for postage.



Anemone Coronaria.

CORONARIA, or POPPY-FLOWERED ANEMONES.

Ready in September.

	Each	Per doz.	100
Caen. New Giant Poppy-flowered. Very large, single flowers, in the richest colors, including scarlet and carmine shades.	$0 05	$0 35	$2 00
Blue Incomparable. Azure-blue; double	05	40	2 50
" **King of the Blues.** Large, double	05	50	3 50
" **Single.** Light colors	05	25	1 50
Scarlet, Feu Superbe. Bright; double	05	45	3 00
" **L'Eclair.** Large flowers; double	05	45	3 00
" **Cardinal's Hat.** Double; very early	05	40	2 50
" **King of the Scarlets.** Double	05	45	3 00
" **Single Mixed**	2 for 5 cts	25	1 25
" **Double Mixed**	05	40	2 50
White Ceres. Double; tinted rose	05	50	3 50
" **The Bride.** Single; pure white	05	25	1 50
Rose, Rosette. Double, rose; extra large	05	35	2 00
" **Leverrier.** Double	05	45	3 00
" **Mignonne.** Double	05	45	3 00
Thalia. Striped; double	05	40	2 50
Double. All colors mixed	05	25	1 50
Single. All colors mixed	2 for 5 cts	20	1 00

ANEMONE SPECIES.

Ready in November.

	Each	Per doz.	100
Appenina, "Blue Star." Very charming clear blue, star-shaped flowers; excellent for naturalizing; early flowering	$0 06	$0 50	$3 50
Appenina, White. A variety of the above	06	50	3 50
Chrysanthemiflora Mixed. Large, imbricated, double flowers; very early, vigorous and free-blooming	12	1 25	8 00
Fulgens. Dazzling vermilion or scarlet; flowers very early in the spring. It does best in good loam and in a moist situation. A fine pot plant for house decoration	06	50	3 50
Japonica alba. Large, pure white flowers; invaluable for cutting	06	45	3 00
" **rosea.** Large, rosy carmine flowers, 2 to 2½ inches	06	45	3 00
" **rubra.** Resembling above, but much darker in color	08	50	3 50
" **Lady Ardilaun.** A greatly improved "Alba," with larger flowers of greater substance	15	1 50	10 00
" **Whirlwind.** It bears in profusion large, semi-double, pure white flowers of great substance; splendid for cutting	08	75	4 00

TUBEROUS-ROOTED BEGONIAS.

Ready in November.

Splendid pot plants for the house or greenhouse; also for bedding in summer. For bedding they should be started in hotbed in March and April. The hollow end of the bulb should be up and but slightly covered. They should get very little water until the plants are growing.

	Each	Per doz.	100
Single Crimson	$0 10	$1 00	$6 00
" **Scarlet**	10	1 00	6 00
" **Rose**	10	1 00	6 00
" **White**	10	1 00	6 00
" **Yellow**	10	1 00	6 00
" **Mixed**	10	1 00	5 00
Double White	20	2 00	12 00
" **Yellow**	20	2 00	12 00
" **Rose**	20	2 00	12 00
" **Mixed**	20	2 00	11 00

BRODIAEAS.

Ready in September.

Very pretty, hardy, bulbous plants from the Pacific coast. They have narrow, grassy leaves, slender stems, and a head or umbel of lily-like flowers. Suitable for forcing or outdoor culture. They do best in rich, sandy loam. If grown in pots a compost of loam, leaf-mould and sand is recommended.

Brodiæa coccinea.

	Each	Per doz.	100
Bridgesli. Rich, reddish purple flowers; very handsome	$0 08	$0 65	$4 50
Californica. Large, pure waxy pink flowers	08	65	4 50
Coccinea (Floral Fire Cracker). Rich blood-crimson, tipped white	06	50	3 50
Capitata. Handsome, deep violet flowers in compact umbels, borne on long, slender stems	05	40	2 50
Capitata alba. Very beautiful, pure waxy white	08	65	4 50
Ixioides. Bright yellow flowers, banded with brown	05	40	2 00
Ixioides splendens. Large light yellow flowers	08	65	4 50
Laxa. Tall, with large blue flowers	05	40	2 00
Peduncularis. Porcelain-white flowers in immense umbels	08	60	4 00
Stellaris. Flowers rich purple, with white center	05	40	2 50
Volubilis (Twining Hyacinth). Lovely waxy pink flowers	10	1 00	7 00
Mixed. All sorts	05	30	1 50

CROCUS.

For pots and borders. A universal favorite, being one of the earliest flowers seen in the spring. They are neat, dwarf and compact in growth, and the blooms are of bright colors. If planted close—say 2 inches apart—and in close rows, they make a very pretty display immediately after the snow goes off in the spring. Do not disturb for several years.

For flowering in pots, hedge-hogs, baskets, etc., they should be plunged in the open ground for three weeks after planting, precisely in the same manner as directed for hyacinths.

If ordered by mail, add 15 cents per 100 for postage.

	Per doz.	100	1,000
Large White	$0 10	$0 50	$4 00
Large Yellow	10	55	4 50
Giant Yellow	20	1 00	8 00
Large Blue	10	50	3 50
Large Purple	10	50	3 50
Striped and Variegated	10	50	3 50
Large Scotch. White, with purple stripes	$0 20	$1 00	$8 00
Cloth - of - Gold. Golden yellow, striped brown	10	55	4 50
Cloth-of-Silver. Light blue, striped	15	70	5 00
Mixed. All colors	10	45	3 25

HYBRID NAMED CROCUS.

Composed of the most beautiful varieties; remarkable for richness of color and immense size. These varieties are best for forming letters or designs on the lawn, for which purpose they may be planted without disturbing the grass, by the use of a dibble or narrow trowel. The flowers are produced very early, and the mowing later on will not seriously injure the Crocus bulbs.

If ordered by mail, add 25 cents per 100 for postage.

	Per doz.	100
Albion. Fine striped	$0 20	$1 00
Baron von Bruns. Dark purple	15	80
Caroline. Pure white	15	80
Dandy. White edged	15	80
David Rizzio. Purple	15	80
King of the Blues. Very large	25	1 50
La Majesteuse. Violet-striped	15	80
Lord Palmerston. Large; purple	20	1 25
Mad. Mina. Violet and white	15	80
Mammoth. White	15	80
Marquis of Lorne. Purple	20	1 25
Mont Blanc. Finest of all whites	15	80
Non Plus Ultra. Blue, white bordered	15	80
Purpurea grandiflora. Purple	25	1 50
Queen Victoria. Fine white	15	80
Queen of the Netherlands. Very large pure white	20	1 00
Sir Walter Scott. Variegated	15	80

Crocus.

CALOCHORTUS.

(MARIPOSA LILY, or BUTTERFLY TULIP.

Ready in September.

Very handsome bulbous plants from California. They are remarkable for the brilliancy and variety of their coloring, and their gracefulness of habit. They grow freely in light, sandy loam; though hardy, they should be protected during winter with litter. They may also be successfully grown in frames and in pots.

If ordered by mail, add 5 cents per dozen for postage.

	Each	Per doz.	100
Albus. Pearly white, rich blotch	$0 05	$0 40	$2 50
Benthami. Rich yellow, with black spots	05	40	2 50
Gunnisonii, or **Nuttallii.** Creamy white flowers, banded with green	08	60	4 00
Lilacinus. Shading from lilac to purple; pretty	05	40	2 50
Maweanus major. White ground; open cup, filled with fine blue hairs	06	50	3 50
Nitidus. Handsome lilac flower, with large, indigo blotch in middle of petal	10	1 00	7 50
Pulchellus. A beautiful, rich yellow	05	40	2 50
Splendens. Bluish lilac; very beautiful flowers 3 inches across	08	60	4 00
Venustus citrinus. Inside citron-yellow, outside brown	05	45	2 50
" **El Dorado.** Mixed; exceedingly varied and brilliant; the finest colored Calochorti	08	60	4 00
" **purpurescens.** Flowers 3 inches across; purplish lilac outside, creamy white and purple inside	06	50	3 50
Vesta. Finest of all; immense flowers, 3 to 5 inches across. White, suffused with lilac to rose-purple. Hardy, vigorous and easily grown	08	75	5 00
MIXED, All Sorts	05	35	2 25

CYCLAMEN.

Most of them ready in September.

When well grown, it is difficult to find a more useful plant than this for greenhouse, room and window decorations. The various species produce flowers varying from deep red to pure white, and of much elegance of form in flower and plant. The *C. giganteum* is an improved strain of the old *C. Persicum*, having much larger and more brilliantly colored flowers, and producing them more abundantly. We offer *seed* of our superb strain of these at the end of this Catalogue.

	Each	Per doz.
Atkinsi album. White	$0 30	$3 00
" **rubrum.** Red	25	2 50
Coum. Crimson	25	2 50
Giganteum Rose	20	2 00
" **Dark Crimson**	20	2 00
" **White "Mont Blanc"**	20	2 00
" **White, Rose Eye**	20	2 00
" **Carmine**	20	2 00
" **Mixed**	15	1 50
Neapolitanum. White, tinted with lilac and purple; sweet-scented	25	2 50
Hederæfolium album	30	3 00
" **roseum**	20	2 00

Cyclamen giganteum.

CROWN IMPERIALS.

(FRITILLARIA IMPERIALIS.)

A stately-growing plant, with dark green foliage, and flowers of all intermediate shades between yellow and crimson; effective for centers of beds; hardy and permanent, and not so generally planted as they should be. Their flowers are produced quite early in spring, and are very ornamental and decorative in the center of a bed of other bulbous plants. The old, dull red variety, while handsome, does not give anything like the effect that the newer sorts do. The double varieties are especially conspicuous and desirable in every respect. They are all the better for being planted in good, rich, well-drained soil; the flowers will be larger and of finer coloring, as well as more enduring.

Crown Imperial.

Ready in September.

If ordered by mail, add 3 cents each for postage.

	Each	Per doz.
Aurora. Red	$0 15	$1 50
Crown on Crown	25	2 50
Couronne Orange	20	2 00
Gold Striped. Crimson flowers; variegated foliage	25	2 50
Silver Striped	1 00	
Large Double Red	1 00	
Large Double Yellow	1 00	
Maximus, Bright Yellow	40	4 00
" **Red**	50	5 00
Red Slagzwaard	20	2 00
Sulphureus. Sulphur	20	2 00
Fine Mixed Varieties per 100, $6	10	1 00

BEAUTIFUL DOUBLE DELPHINIUMS.

(PERENNIAL LARKSPURS.)

Ready in November.

	Each	Per doz.
Beaumarchais. Large flowers; Turkish blue, with rosy center	$0 30	$3 00
Carpeaux. Ranunculus shape; bronzy greyish lilac, tinted yellow in center	30	3 00
Dr. Brahmann. Blue and violet	30	3 00
Gloire de Nancy. Ranunculus shape; bright cobalt-blue	30	3 00
Irene. Sky-blue and pink, with white eye	30	3 00
Prince of Naples. Semi-double; dark blue, white center	$0 30	$3 00
Scribe. Lilac and light rose; white-bordered.	30	3 00
Tour d'Eiffel. Brilliant blue, striped in center.	30	3 00

FRITILLARIAS.

Ready in September.

Graceful, hardy, spring-flowering, bulbous plants, thriving in good, rich, well-drained soil. The name is from *fritillus*, a chess-board, in allusion to the chequered flowers of some of the species. Some are interesting from their peculiar coloring, and others are really beautiful. They are very effective in mixed flower borders, and they also make excellent pot-plants.

	Each	Per doz.	100
Biflora. Low-growing species; brown ground, prettily lined	$0 08	$0 75	$4 00
Lanceolata. Tall flowers, mottled green and brown	08	75	4 00
Lilacea. Flowers white; easily grown.	08	75	4 00
Recurva. Larger and more profuse-flowering than the above	10	1 00	6 00
Meleagris (Guinea-fowl Flower). Mixed colors. Valuable for out-door decoration	05	30	1 50
Fritillaria imperialis. See Crown Imperials, above.			

Fritillaria recurva.

IRIS. (FLEUR-DE-LIS.)

The justly popular Freesias are greatly prized for the delicate and [illegible] for cut flowers, and November. which, when cut, will remain in good condition for a long time in water. They are easily grown or forced in a light, sandy soil, in a frame or greenhouse, and are excellent for window culture in winter; one plant will perfume a large room, but not in the persistent manner of a tuberose. The plant has tooth-shaped bulbs and flat, spreading leaves. For the information of all not acquainted with these bulbs, we may say that they are quite small, and produce very large blooms in comparison to their size.

Freesia refracta alba.

Freesia refracta alba. Pure white, and sweet-scented; very largely forced. It is one of the prettiest bulbous plants known. The flowers are 2 inches long, and about the same in width, shaped like miniature gladioli, and in clusters of 6 to 10, on depressed horizontal scapes. The body of the flower is pure white, with lower segments spotted lemon-yellow. There is a peculiar delicacy and beauty about this flower that is all its own; the fragrance is remarkable and very lasting.

Monster Size Bulbs. 30 cts. per doz., $1.50 per 100, $12 per 1,000.

First Size Bulbs. 20 cts. per doz., $1 per 100, $8 per 1,000.

Second Size Bulbs. 15 cts. per doz., 75 cts. per 100, $6.50 per 1,000.

Freesia Leichtlinii. Creamy white, shading to yellow; a pretty sort; distinct in color. 35 cts. per doz., $2 per 100.

GLADIOLUS.

Ready in November.

The following varieties are the sorts generally to be had at this season of the year, and they are usually planted in pots in autumn, and require to be kept in a warm room or greenhouse, except those prefixed with an asterisk (*), which are hardy, and may be planted out; it is best, however, to give them a slight protection. Some varieties are successfully forced.

The French Hybrids, for spring planting, will be in by November. These form a family of bulbs of rare beauty. Every year is now adding varieties of most exquisite tint and shade; and from the time of year during which these bloom, and the long continuance of their flowers in perfection, they become one of the greatest ornaments of the garden at a season when flowers of vivid tints are scarce. They are valuable for bedding.

Named varieties will be found in our General Catalogue, published January 1.

THE NEW LARGE-FLOWERED JAPAN IRIS. (IRIS KÆMPFERI.)

NEW DOUBLE LARGE-FLOWERING.

	Each	Per doz.
Beauty. Light silvery lilac, veined purple blue; dwarf, large flower	$0 20	$2 00
Blue Jay. Dwarf habit, large flower; fine azure blue, freely veined and mottled white; extra fine	20	2 00
Charmer. Lovely light blue, with white center and veins; large and handsome	20	2 00
Mahogany. Very large flower, deep mahogany red	20	2 00
Mt. Fell. Grayish white, veined sky-blue; blue and yellow center	20	2 00
Orion. Tall and strikingly handsome; pure white, each petal having a wide border of lilac-red	20	2 00
Pyramid. Light violet blue, with white veins; very large flowers	20	2 00
Snow White. Tall and showy, with flowers of enormous size, probably the most beautiful of all; pure snow white, with large gold-blended center	20	2 00
Mixed. New double large-flowering Japan Iris	15	1 25

☞ *For* **Single** *Large-flowering Japan Iris, see next page.*

NEW SINGLE LARGE-FLOWERING JAPAN IRIS.

	Each	Per doz.
Bluebird. Clear dark blue	$0 20	$2 00
Como. Reddish amaranth, with large white center	20	2 00
Exquisite. Fine porcelain-blue	20	2 00
Shadow. Large wavy petals, dark indigo-blue, with peacock luster; golden center; fine	20	2 00
Snowbound. Large, pure white, with golden bands.	20	2 00
Souvenir. Lovely rose-pink with delicate blue veins	20	2 00
Neptune. Reddish gray, freely veined	20	2 00
Quakeress. Light lavender, tinged rose	20	2 00
Mixed Single Large-flowering New Japan Iris.	15	1 25

Ixias.

IXIAS.

Ready in October.

The Named Hybrid Ixias are so beautiful and rich in tints that no lover of flowers should be without them. They are equally adapted for pots or the open ground, exceedingly free-flowering, and invaluable for cutting. If planted out, they require rather more covering during winter than hyacinths. In pots their culture is the same as that usually recommended for other bulbs. By reason of their curious forms and strange coloring, the Ixias attract much attention.

	Each	Per doz.	100
Bucephalus. Rich crimson, very fine	$0 08	$0 60	$4 00
Crateroides. Bright crimson	05	40	2 00
Giant. Light fawn color	08	60	4 00
Glory. Crimson and mauve, black eye	08	60	4 00
Golden Drop. Yellow, tinged purple, deep maroon eye	08	60	4 00
Hercules. White, flushed purple	08	60	4 00
Lœta. White and plum color, brown eye	08	60	4 00
Titania. White, changing to lilac	08	60	4 00
Titus. Bright yellow, outside streaked magenta; eye black	08	60	4 00
In 25 New Varieties	06	50	3 50
In Splendid Mixture	2 for 5 cts.	20	1 00

ERYTHRONIUMS.

(DOG'S-TOOTH VIOLETS.)

Ready in September.

Very ornamental, hardy, bulbous plants, of neat and dwarf habit. They succeed in almost any light soil, but prefer a mixture of loam and peat. They should be planted in groups, and do well in sheltered positions on rockeries, or in mixed flower or shrubbery borders. They may also be grown in pots in coldframes for house decoration when in flower.

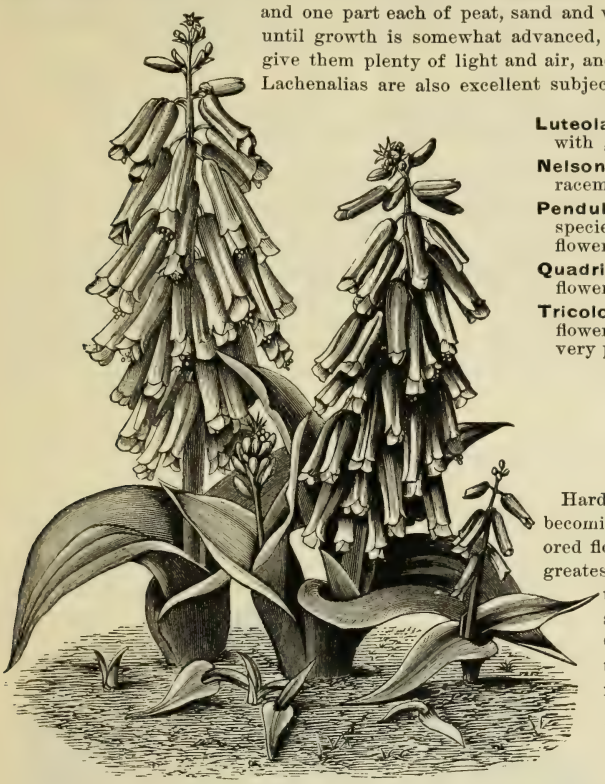
	Each	Per doz.	100
Giganteum (Giant Dog's-Tooth Violets). Very large, straw-colored flowers, with orange center, borne on long, slender stems; the foliage is richly mottled in dark brown, and its elegant habit makes it a very attractive pot-plant for window decoration	$0 05	$0 40	$2 50
Grandiflorum. Leaves unmottled, flowers bright yellow, with recurved petals	10	1 00	6 00
Hartwegii. Fine new variety; light yellow flowers, like those of *E. giganteum*, but each borne on a separate stalk; the easiest of all the sorts to grow.	06	50	3 50
Hendersonii. Flowers pink, with very dark purple center; leaves beautifully mottled in dark brown; petals strongly recurved; very rare	10	1 00	5 00
Johnsoni. Large, clear pink flowers, with orange center; foliage prettily variegated in dark brown; grown in pots in frames and brought into the house when in flower, they make very attractive decorative plants	12	1 25	8 00
Revolutum. Leaves mottled white and brown; flowers opening white, and passing to pink and purple	08	65	4 50
Dens-canis (Dog's-Tooth Violet). Mixed colors; very pretty; leaves blotched in brown and white	05	30	1 50

Erythronium.

LACHENALIAS.

Ready in September.

Very pretty, spring-flowering greenhouse bulbous plants, with brightly colored flowers and elegant habit. They should be grown in pots, 4 to 6 bulbs in a 5-inch pot, in a compost of two parts loam, two parts leaf-mould and one part each of peat, sand and well-rotted cow manure. Apply but little water until growth is somewhat advanced, but give more freely as the foliage develops; give them plenty of light and air, and keep near the glass to insure sturdy growth. Lachenalias are also excellent subjects for hanging baskets.



Lachenalias.

	Each	Per doz.
Luteola. Pale yellow flowers, flushed with green	$0 25	$2 50
Nelsoni. Golden yellow flowers in long racemes; very handsome	40	4 00
Pendula. Very handsome, large and showy species, with broad foliage and rich red flowers, tipped with black	30	3 00
Quadricolor. Bright green, red and yellow flowers; very pretty	25	2 50
Tricolor. Foliage heavily spotted brown; flowers yellow, tipped with green and red; very pretty for massing	25	2 50

MONTBRETIAS.

Ready in November.

Hardy, summer-flowering, bulbous plants that are becoming more popular every year. Their brightly colored flowers are borne on long, graceful spikes in the greatest profusion, and they are most valuable for cutting and general decorative purposes. They should be planted in groups and left undisturbed. Ordinary garden soil and a sunny position suit them. The following are the handsomest and most distinct varieties:

	Each	Per doz.	100
Bouquet Parfait. Large, bright vermilion flowers, with deep yellow center	$0 08	$0 75	$4 00
Crocosmiæflora. Large; bright orange, tinged scarlet	05	35	2 00
Drap d'Or. Rich yellow; very large, handsome flowers	08	75	4 00
Eldorado. Large, golden yellow flowers; very floriferous; dwarf habit	08	75	4 00
Elegans. Bright yellow, outside streaked with vermilion; extra fine	05	40	2 50
Etoile de Feu. Bright vermilion, with deep yellow center; large flowers	$0 08	$0 75	$4 00
Pottsii. Orange and scarlet; very free-flowering	05	35	2 00
Rosea. Distinct new variety from South Africa. Salmon-rose color	08	75	4 00

ORNITHOGALUM.

Ready in September.

	Each	Per doz.	100
Arabicum. White, with black center; valuable for forcing	$0 05	$0 40	$2 50
Pyramidale. Showy spikes of white flowers	35	3 50	
Umbellatum (Star of Bethlehem). Outside green and white striped, inside satiny white; flowers in umbels; very showy	2 for 5 cts.	20	1 00

Montbretias.

NERINE.

Ready in October and November.

Very beautiful greenhouse bulbous plants, succeeding best in pots, in light soil—say a compost of loam, leaf-mould and sand. Frequent repotting is not advisable, but an annual top-dressing of new soil before the flowering season is recommended. During the growing season they succeed best in a frame with some bottom heat. After the leaves die they should be kept quite dry in a cool place until they begin to grow again.

Nerine Japonica.

	Each	Per doz.
Crispa. Very handsome scarlet flowers	$1 00	
Flexuosa. Bright crimson-scarlet, tinged with orange	1 00	
Fothergillii. Bright, glittering scarlet, in a many-flowered umbel	1 00	
Fothergillii major. A magnificent plant for house or conservatory. The flowers are of the intensest shining scarlet, and by artificial light the crystalline cells of the petals sparkle like jewels. It flowers very freely	1 50	
Japonica (Japan Spider Lily). Purplish red; very beautiful	15	1 25
Sarniensis (True Guernsey Lily). Flowers brilliant crimson, in large clusters. The best known sort	20	2 00
Undulata. Rosy purple, wavy flowers; very handsome	75	

OXALIS.

Ready in September.

A very pleasing class of small bulbs, producing vast quantities of brilliant flowers during the autumn and winter months; they are especially desirable for planting in hanging baskets. They are easily grown in sandy soil, 7 or 8 bulbs in a 4 or 5-inch pot. Pot in September, and remove indoors early in October; keep in moderate temperature.

	Each	Per doz.	100
Arborea alba. White	$0 05	$0 45	$3 00
Buttercup. A splendid winter-blooming plant for pot culture. The flowers are pure bright yellow, and produced in great abundance. It is very easily cultivated, and, being a strong grower, only one or two bulbs should be planted in a 5 or 6-inch pot	05	40	2 50
Bowiei. Crimson	05	40	2 50
Flava. Golden yellow	08	75	4 00
Hirta rosea. Rose	05	45	3 00
Lutea. Yellow	05	30	1 50
Lutea, Double. Yellow	08	75	4 00
Purpurea alba	08	60	3 50
Purpurea rosea	08	60	3 50
Rubella. Purple	05	35	2 00
Tetraphylla. Purple	05	40	2 25
Variabilis rubra	08	75	4 50
Venusta. Violet and yellow	05	45	3 00
Versicolor. Crimson and white.	05	30	1 50
Mixed	2 for 5 cts.	20	1 00

Buttercup Oxalis.

PAEONIES.

Ready in October.

The old-fashioned double Pæonies are too well known to require description. Their popularity is due to their great merits—their easy culture, the handsome appearance of the plants, and the brilliant and striking effect of their massive, finely formed, richly colored flowers. Among hardy herbaceous perennials, the Chinese Pæonies rank about first for lawn, or flower-border, or shrubbery decoration. They are all hardy. See next page for varieties.

PAEONIES, continued.

	Each	Per doz.
Pæony Chinensis, Double White	$0 30	$3 00
" " " **Crimson**	20	2 00
" " " **Pink**	20	2 00
" " " **Mixed**	20	1 75
" **Arborea** (Tree Pæony). Very handsome	1 50	
" **tenuifolia, Single.** Bright crimson	25	2 50
" " **Double.** Bright crimson	30	3 00

PRIMULA SIEBOLDII. (HARDY JAPANESE PRIMROSES.)

Ready in November.

These beautiful new varieties are highly recommended for forcing.

	Each	Per doz.
Atlas. Brilliant carmine, with white center	$0 20	$2 00
Clarkiæflora. Very free-flowering; lovely magenta color	20	2 00
La Lique. Rosy violet, with white center	20	2 00
Madame Emile Gallée. Soft white, with outside lilac	20	2 00
Mine d'Argent. Large, milky white flowers	20	2 00
Victor. Beautiful clear pink	20	2 00

RANUNCULUS.

Ready in September.

The main soil for these should be loam or clay, with a good dressing of rotten manure and leaf-mould; if heavy, add a little sand. The soil should be well drained, cool, deep, rich and moist. Plant late in the autumn, claws downward, from 4 to 6 inches apart and 3 inches deep, covering with fine, pulverized soil.

If ordered by mail, add 3 cents per dozen for postage.

PERSIAN VARIETIES.

	Each	Per doz.	100
Belladonna. Violet-spotted	$0 05	$0 35	$2 00
Commodore Napier. Yellow and brown border	05	35	2 00
California Gold. Yellow	10	75	4 00
Favorite des Dames. Striped	05	40	2 50
Kiskoy. Purple	05	40	2 50
Mont Blanc. White	10	75	4 00
Queen of the Netherlands. Violet-black	10	75	4 00
Saturnus. Crimson	05	30	1 50
Fireball. Brilliant scarlet	05	35	2 00
Persian Named, in 25 varieties	10	75	4 00
" **Mixed,** all sorts.....2 for 5 cts...		20	1 00
French Named, in 25 varieties	10	75	4 00
" **Mixed,** all sorts.....2 for 5 cts...		20	1 00

TURBAN VARIETIES.

These are the most hardy of the Ranunculus, and will succeed with much less care than is necessary for the Persian sorts.

	Each	Per doz.	100
Black or Brown	$0 05	$0 30	$1 50
Grandiflora. Crimson	05	30	1 50
Romano. Scarlet	05	30	1 50
Hercules. Pure white	08	60	3 50
Merveilleuse. Orange yellow	05	30	1 50
Seraphique. Citron	05	30	1 50
Souci d'Or. Brownish orange	05	30	1 50
Striped	05	30	1 50
Viridiflora. Scarlet, green center	$0 05	$0 30	$1 50
Mixed Turban	2 for 5 cts...	20	1 00

Ranunculus.

RICHARDIAS, or CALLAS.

Ready in September and October.

Tall-growing, bulbous perennials of exceedingly graceful habit and very handsome foliage and flowers. They are easily cultivated in pots, requiring only a rich soil and plenty of water. A compost of one part good loam and one part cow manure is recommended. It is a good plan to plant them out in the garden each summer, in rich, well-manured soil, giving them plenty of water, taking them up and carefully repotting in September.

	Each	Per doz.	100
White Calla, or **Lily-of-the-Nile** (*Calla Æthiopica*). Large, white, trumpet-shaped flowers of great substance. One of the most popular and ornamental of house and greenhouse plants	$0 20	$2 00	$15 00
"Little Gem" Calla. Very neat, dwarf habit; makes an excellent pot plant	08	60	4 00
Spotted Calla (*C. Æthiopica alba maculata*). An extremely ornamental pot-plant, with pure white flowers and handsome, deep green leaves, spotted with white	15	1 50	6 00
Yellow Calla (*Richardia hastata*). This rare variety has broad, green leaves with black center, and beautiful, light yellow flowers. In habit it resembles the White Calla	35	3 50	
Golden Calla (*Richardia aurata*). A very rare and most beautiful variety with lemon-yellow flowers	45	4 50	
"Lemon Giant" Calla. A new, gigantic hybrid Calla, with rich lemon-yellow flowers and white-spotted leaves, often 12 to 15 inches long and 12 inches across. An extra-strong grower, and of easy cultivation	80	8 00	

Black Calla. See *Arum sanctum*, page 18.

White Calla.

SCILLAS.

Ready in September.

No garden can be complete without these beautiful flowers. *S. Peruviana* requires slight protection; all the others are quite hardy, and may remain in the ground several years.

Scilla Sibirica.

If ordered by mail add 5 cents per dozen for postage, except those marked with a star (*), which are 2 cents each.

Sibirica. The effect in early spring of this intensely rich blue, early-flowering Scilla, contrasting with the snow-white of the Snowdrop and the varied hues of the Crocus, can hardly be over-estimated; are most valuable for permanent edging. 2 for 5 cts., 20 cts. per doz., $1 per 100.

	Each	Per doz.	100
Bifolia. Blue; hardy	$0 05	$0 30	$1 50
Campanulata (Wood Hyacinth). Blue	05	30	1 50
" **alba.** White	05	30	1 50
" **rosea.** Rose	05	35	2 00
Nutans cœrulea (Nodding Squills). Blue	05	35	2 00
" **alba.** White	05	35	2 00
" **rosea.** Rose	05	40	2 50
***Peruviana alba** (White Cuban Lily)	25	2 50	
" **lutea** (Yellow Cuban Lily)	40	4 00	
" **cœrulea** (Blue Cuban Lily)	15	1 50	

SNOWDROPS. (GALANTHUS NIVALIS.)

Ready in September.

Perhaps no spring flower is a more general favorite than the Snowdrop. The earliest-flowering of its varieties is the common single sort, which is also very graceful and beautiful, commencing to bloom before the snow is fairly off the ground in the spring. This is succeeded by the double-flowered variety, with its elegant drooping, snow-white blossoms.

If ordered by mail, add 3 cents per dozen, or 25 cents per 100, for postage.

	Per doz.	100	1,000
Single-flowering Snowdrops	$0 15	$1 00	$7 50
Double-flowering Snowdrops	25	1 75	13 00
Giant Snowdrop of Asia Minor (*Galanthus Elwesii*)	15	1 00	8 00

SPIRAEA or ASTILBE.

Ready in November.

Tall, graceful, branching, herbaceous perennials, thriving in rich soil and damp positions. Those we list are extensively used for forcing for winter decorative purposes, for which they are eminently adapted, either as cut-flowers or in pots for window and table decoration. They should be potted when received and buried outside till they begin to form roots. They may then be taken in and forced as required. They require abundance of water.

Japonica (Hoteia). Excellent pot-plant for winter blooming. Large, branching panicles of pure white, feathery flowers; fine for cutting. Clumps for forcing or outdoor planting. 10 cts. each, $1 per doz., $6 per 100.

Japonica fol. aurea reticulata. Beautiful gold-striped foliage; large panicles of pure white flowers. 15 cts. each, $1.50 per doz., $10 per 100.

Japonica compacta multiflora. The neat, compact habit and profusion of large, handsome, pure white flowers make it a most elegant pot-plant. 15 cts. each, $1.25 per doz., $7 per 100.

Aruncus. Pure white; grows 4 feet high. 20 cts. each, $2 per doz., $14 per 100.

Astilboides floribunda. Very large, pure white plumes; neat habit; very abundant bloomer. 15 cts. each, $1.25 per doz., $7 per 100.

Palmata. Crimson; strong clumps. 15 cts. each, $1.50 per doz., $10 per 100.

Lemoinei, "Snow Plume." A new variety, with fresh, dark-green foliage and large, graceful, snow-white plumes; a grand forcer. 30 cts. each, $3 per doz., $22 per 100.

Spiræa Astilboides floribunda.

TUBEROSES.

Ready in December.

	Each	Per doz.	100
Dwarf Double Pearl	$0 05	$0 35	$1 50
"Albino." Early; single white	05	40	2 00
Variegated-leaved Single	05	40	2 00

Trillium sessile Californicum.

TRILLIUMS.

(AMERICAN WOOD LILY, or INDIAN SHAMROCK.)

Hardy, herbaceous perennials, succeeding best in a deep, well-drained soil and in a somewhat shady situation. They require plenty of water during the summer. All are natives of North America, and are known by various common names in different localities. They have violently emetic roots.

	Each	Per doz.	100
Grandiflorum ("Giant American Wood Lily," or "Wake Robin"). Large white flowers, changing to rose; quite hardy, and easily grown in shaded positions	$0 05	$0 40	$2 50
Erectum ("Birth Root"). Dark purple flowers; erect habit; about one foot high	05	50	3 00
Erectum album. A white-flowered variety of the above	08	60	4 00
Erythrocarpum (Painted Wood Lily). White, striped purple	10	1 00	7 00
Ovatum. White, changing to purple	10	75	5 00
Sessile Californicum. Handsome, pure white flowers; prettily mottled foliage	10	1 00	6 00

Tigridia.

Tricyrtis hirta.

Miscellaneous Bulbs and Roots.

	Each	Per doz.	100
Aconite. See Eranthis, page 33.			
Allium. See page 11.			
Alstrœmeria, Mixed Colors. Tall, handsome plants, with beautiful flowers; excellent for pots or for frames; bright-colored	$0 10	$1 00	
Amorphophallus Rivieri. A species of Arum, with ornamental leaves	20	2 00	
Anomatheca cruenta. Rich crimson flowers; neat, dwarf habit; excellent for window, garden or pot culture; half-hardy	05	25	$1 00
Anthericum. Very ornamental border plants, and also excellent for pot culture. They do best in light, rich soil, and require plenty of water while growing.			
" **Liliago** (St. Bernard's Lily). Pure white flowers; 1½ feet high	12	1 25	8 00
" **Liliastrum major** (St. Bruno's Lily). Much larger flowers than the above; flowers white, with petals delicately tipped green; 2 feet high	10	1 00	
" **ramosum.** Of branching habit; white flowers; 2 feet high	10	1 00	
Antholyza, Mixed. Like Gladioli; take up in fall	10	1 00	6 00
Apios tuberosa. Hardy climbers; flowers deep purple, very fragrant	08	60	4 00
Asphodelus ramosus. Hardy perennial; large, white flowers; very pretty	35	3 50	
Babiana. Mixed colors; charming for pots	08	65	4 00
Bessera elegans (Coral Drops). Bright coral-scarlet, with white cups	05	50	3 50
Bloomeria aurea. Very pretty; light yellow; easily grown	05	50	3 50
Bravoa geminiflora. Orange and scarlet; twin-flowered	25	2 50	
Bulbocodium vernum. A very pretty little bulbous plant, with rosy purple, crocus-like flowers; it is one of the earliest-flowering of spring plants, blooming even before the crocus	05	45	3 00
Caladium esculentum (Elephant's Ear). Large size bulbs	25	2 50	
Callas. See Richardia, page 30.			
Camassia Cusickii. Superb new variety, with very large leaves and lovely, pale sky-blue flowers, produced in racemes 2 to 3 feet long	25	2 50	
" **esculenta.** Pretty violet-blue flowers; fine for cutting	05	30	1 50
Chionodoxa gigantea. Very large, lilac-blue flowers, with large white eye	05	35	2 00
" Lucilliæ ("Glory of the Snow"). Porcelain-blue, white eye	05	25	1 25
" Sardensis. Lovely deep blue flowers, produced in great numbers	05	30	1 50
Chlorogalum pomeridianum (Soap Root). Tall, many-branched stem, bearing a great many little, white, star-shaped flowers. The bulb is large, and was used by the Indians for soap.	15	1 50	
Clematis coccinea. A herbaceous, hardy perennial climber; flowers rich scarlet	20	1 75	12 00
Colchicum autumnale (Meadow Saffron)	08	75	5 00
" Agrippinæ. From Asia Minor	05	40	2 50
" Mixed. Many bright colors	08	60	4 00
Cooperia Drummondii (Evening Star). White; take up in fall	05	45	3 00
" pedunculata. Beautiful white fragrant flowers	05	45	3 00
" Oberwetteri. New; bright green	05	45	3 00

MISCELLANEOUS BULBS AND ROOTS—continued.

	Each	Per doz.	100
Crocosmia aurea (Tritonia). Half-hardy; orange flower	$0 05	$0 45	$3 00
Cyclobothra flava (Yellow Shell-flower). Golden yellow cup, with fine black dots; pretty.	05	40	2 50
Cypella Herberti. Bright orange-yellow; half hardy	30	3 00	
Dicentra spectabilis (Dielytra, Bleeding Heart). Hardy; also for forcing	20	2 00	12 00
Dodecatheon Clevelandi alba. Lovely white flowered California variety	10	1 00	7 00
Eranthis hyemalis (Winter Aconite). Yellow	05	25	1 00
Galanthus Elwesii (Asia Minor Giant Snowdrops) per 1,000, $8.	05	15	1 00
Hæmanthus albiflos. White; fine for pots	1 25		
" coccineus. Scarlet; for pots	1 50		
" puniceus. Orange-red; for pots	1 50		
" tigrinus. Crimson; for pots	2 00		
Helleborus niger major (Christmas Rose). Perfectly hardy, but most valuable for forcing for cut blooms	30	3 00	
Hemerocallis (Day Lily), in six varieties	15	1 50	
Hyacinthus candicans. A snow-white summer-flowering giant Hyacinth	05	40	2 25
Imantophyllum miniatum. Rich cluster of orange-crimson flowers; for pots	1 50		
Ismene calathinum. White; sweet-scented; hardy	20	2 00	
" Macleana. White, marked green; 2 feet high; half-hardy	20	2 00	
" undulata. Fragrant white flowers, with beautifully fringed petals	20	2 00	
Leucojum æstivum. Summer-flowering white Snowflake	05	45	3 00
" vernum. Spring-flowering dwarf Snowflake	05	30	2 00
Milla biflora. Pure waxy white flowers, over 2 inches in diameter	05	40	2 50
Muilla maritima. Greenish white; early flowering	08	75	5 00
Pancratium Calathinum (Basket-flower). Very fragrant white flowers	20	2 00	
" Illyricum. Half-hardy; large, fragrant white flowers	50	5 00	
" maritimum (Sea Daffodil). Delightfully fragrant; white	15	1 50	9 00
Papaver orientale, **Royal Scarlet.** Enormous flowers of the finest scarlet	25	2 50	
Pentlandia miniata. Beautiful crimson flowers; for greenhouse	40	4 00	
Phædranassa chloracea. From Texas	20	2 00	
PHLOX decussata (Perennial Phloxes).			
" " Eclaireur. Fine carmine; center, rosy salmon	20	2 00	
" " Jean Lamour. Lilac, large white center	20	2 00	
" " Laurence. Pure white, extra large	20	2 00	
" " Iris. Bluish violet, large blue center	20	2 00	
" " Lucie Baltet. Soft rose, carmine center	20	2 00	
" " Souvenir. Pink-white, purple-carmine center	20	2 00	
" " Fine mixed	15	1 25	9 00
PYRETHRUM, Double Aphrodite. Pure white	20	2 00	
" " Dr. Livingstone. Satin rose	20	2 00	
" " Gloire de Stalle. Carmine	20	2 00	
" " King Oscar. Crimson scarlet	20	2 00	
" " Meteor. Crimson scarlet, white tips	20	2 00	
" " Toison d'Or. Pale yellow	20	2 00	
Schizostylis coccinea. Scarlet gladiolus-like flowers in spikes	05	40	2 50
Solomon's Seal (Polygonatum multiflorum)	15	1 50	10 00
Sparaxis. Finest mixed	05	20	1 00
TIGRIDIA grandiflora alba. White Tiger Flower	10	75	4 00
" pavonia. Red Tiger Flower	08	60	3 50
" conchiflora. Yellow Tiger Flower	08	60	4 00
" canariensis. Yellow	08	60	4 00
" lilacea. A beautiful new variety; carmine, variegated white	08	60	4 00
Tricyrtis hirta. Beautiful; fall-flowering; hardy; from Japan	15	1 50	8 00
Triteleia uniflora. Pure white, shaded with blue; hardy	05	20	80
Tritoma uvaria grandiflora (Red-Hot-Poker Plant). Half-hardy	12	1 25	8 00
" MacOwani. New dwarf variety; bright orange-red	12	1 25	8 00
" corallina	30	3 00	
" nobilis (Torch Lily). Large coral-red flowers	30	3 00	
Tritonia crocata. Mixed	05	50	3 00
Tropæolum tricolorum Jarrattii. Fine greenhouse climber; for pots	15	1 50	
" polyphyllum (Yellow Rock Indian Cress). Bright yellow	15	1 50	
" pentaphyllum	45	4 50	
" speciosum (Flame-flowered Nasturtium). Brilliant scarlet	20	2 00	
Vallota purpurea (Scarboro Lily). Beautiful scarlet flowers	35	3 50	
Watsonia. Fine mixed sorts; take up in fall	10	1 00	
Zephyranthes rosea. Rose	05	50	3 00
" candida. Pure white; free flowering	05	40	2 50
Zygadenus Fremonti. Fragrant yellow flowers; hardy, and easily grown	08	75	5 50

Hardy Flower Seeds.

For Autumn Sowing.

Many varieties of Flower Seeds, ANNUALS as well as BIENNIALS and PERENNIALS, may be sown in the open ground in the autumn. We give here a list of such as will succeed in this latitude and southward. The plants from autumn-sown seed become larger and more robust, flowering earlier and more numerously than if sown in the spring.

Double Delphinium hybridum.

	Per pkt.	Per oz.
Acanthus mollis. White flowers	$0 05	
" spinosus. Purple flowers	05	
Aconitum Napellus (Monkshood)	05	
Adonis vernalis. Yellow	05	
Agrostemma coronaria (Rose Campion)	05	$0 30
" Dark blood-red	05	40
" coronaria. Mixed	05	40
" Flos Jovis. Rose	05	30
Alyssum saxatile compactum	05	60
Anemone coronaria Caen. Fine mixed	05	50
" occidentalis. White	10	
Aquilegia truncata. Scarlet and yellow	10	
" flabellata nana alba	10	
" vulgaris, Double Mixed Columbine	05	40
" " Single Mixed Columbine	05	40
" cœrulea. Blue	25	
" chrysantha. Yellow	10	
" Mixed Species and Hybrids	25	
" Hybrids of Canadensis and Blue sorts	25	
Asperula odorata (Waldmeister)	10	60
Aubrietia Græca. Purple trailer	10	
" deltoidea	25	
Baptisia australis. Light blue	05	40
" leucantha	25	
Campanula carpatica. Blue	05	50
" " alba. White	05	60
" Medium. Single Mixed	05	50
" rotundifolia (Scotch Blue Bell)	25	
Candytuft, Iberis sempervirens. White	05	1 00
" " Gibraltarica. Beautiful pink	10	
Centaurea macrocephala. Yellow	10	
" odorata Chameleon. Variegated	10	
" Margaritae. White	10	

	Per pkt.	Per oz.
Chrysanthemum Indicum grandiflorum. Large-flowered perennial sort	$0 10	
" Japonicum. Large-flowered perennial sort	10	
" Japonicum pompon	10	
" Mixed Annual	05	$0 40
Coreopsis lanceolata. Yellow	10	
Delphinium hybridum. Double Mixed	25	
" cardinale. Scarlet; splendid	25	
" Brunonianum. Blue	25	
" nudicaule. Scarlet, dwarf	10	
" formosum. Blue	10	
Dictamnus Fraxinella. Hardy perennial	10	
" " albus. White-fl'd	10	
Eupatorium perfoliatum (Boneset)	10	
" ageratoides. White	10	
" purpureum. Pink	10	
Forget-me-not, Blue	10	
" Mixed	10	
Foxglove, White	05	
" Yellow, Large-flowered	05	
" Rose	05	
" Purple	05	
" Mixed	05	40
" Gloxinia-flowered Mixed	05	
Galactia glabella. Handsome twining purple perennial	10	
Gaura Lindheimeriana. White	05	40
Gypsophila paniculata. White	05	40
Hollyhock, Double White	10	1 25
" " Crimson	10	1 25
" " Salmon	10	1 25
" " Magenta	10	1 25
" " Lilac	10	1 25
" " Mixed	10	75
Iris Kæmpferi. Japan Iris	05	
Jacob's Ladder. White	05	25
" " Blue	05	25
Liatris scariosa. Purple "Blazing Star"	10	
Linaria Cymbalaria (Kenilworth Ivy)	05	
Lobelia cardinalis. Brilliant scarlet	10	
" New Hybrids of syphilitica and Canadensis	25	
Lupinus Cruikshankii. Dark blue	05	30
" Hartwegii. Blue	05	30
" " White	05	30
" mutabilis. Variegated	05	30
" tricolor elegans. Variable	05	30
" polyphyllus. Mixed	05	30
Lychnis Chalcedonica. Scarlet	05	
" " alba. White	05	
" " Mixed	05	
" Haageana hybrida	10	
Nierembergia gracilis. Light blue	10	
" frutescens. Lilac	10	
Pæonia officinalis. Hardy perennial	05	25
Pentstemon spectabilis. Blue and red	10	
" Finest Hybrid species mixed	25	
Phacelia Parryi. Rich, deep blue	25	
" congesta. Purple	05	
Phlox hybrida superba. Perennial	10	

HARDY FLOWER SEEDS—continued.

	Per pkt.	Per oz.
Platycodon grandiflorum. Blue	$0 10	
" album. White	10	
Poppy, Papaver orientale	10	
" " umbrosum. Crimson	05	
" " nudicaule. Yellow Iceland Poppy	10	
" " " aurantiacum. Orange	10	
" " " album. White	10	
" " " Mixed Iceland Poppy	10	
" " Danebrog. Scarlet and white	05	$0 25
" " Flag of Truce. Single, white	10	75
" " Double Mikado	05	30
" " " Cardinal. Scarlet	10	75
" " " American Flag. Scarlet and white.	10	75

	Per pkt.	Per oz.
Rocket, Sweet (Hesperis). Purple; sweet-scented	$0 05	$0 20
Rosa polyantha. Hardy perennial Rose	25	
Scabiosa Caucasica. Lilac; splendid	10	
Schrankia uncinata. Red	10	
Silene orientalis (Catchfly). Dark rose; very fine	05	40
" Douglasii	25	
" Virginica. Purple	10	
Snapdragon, Mixed. Finest colors	05	50
" Fine Dwarf Mixed	05	50
" Tom Thumb Mixed	05	1 00
SWEET PEAS, Thorburn's Special Mixed. If planted in the fall, will flower very early in the spring ..... per lb., 75 cts.	05	10

Flower Seeds for Fall and Winter Sowing in Frames and Greenhouses.

	Per pkt.
Abutilon. Mixed	$0 25
Acacia Farnesiana	05
" dealbata	10
" cyanophylla	10
" decurrens	10
" lophantha	05
" molissima floribunda. Fine	25
Asparagus verticillatus. Very fine	10
" Sprengeri	25
Aster. Branching, white	10
" Truffaut's, red	10
" " pink	10
" Comet, white	10
" Lilliput, mixed	10
Begonia semperflorens Vernon	25
" " " "Bijou." Dwarf	25
Calceolaria hybrida. Fine mixed	25
" " grandiflora. Self-colored	25
" " " Tigered and Spotted	25
" " " Tigered and Selfs, mixed.	25
Carnation, Dwarf Vienna	10
" Margaret. Mixed	10
" Fine Double. Mixed	10
Centaurea candidissima	10
" gymnocarpa	10
Cineraria hybrida. Finest mixed	25
" " grandiflora. Prize mixed	50
" " Finest Double	75
Cobœa scandens. Purple ..... per oz., 75c.	10
Cyclamen giganteum album, "Mont Blanc." ..... per 100 seeds, $1.50	25
" " atropurpureum ..... per 100 seeds, $1.50	25
" " superbum. 100 seeds, $1.50	25
" " roseum ..... 100 seeds, $1.50	25
" " Choice Mixed ..... per 100 seeds, $1.50	25
Dahlia, Jules Chretien. Single, dwarf	10
Daisy. Double mixed	25
" " "Longfellow." Rose	25
" " "Snowball." White	25
Dracæna Draco	25
" indivisa lineata ... per 100 seeds, 20 cts.	10
Erica. Mixed Cape	25
Grevillea robusta ..... per oz., 90 cts.	10

	Per pkt.
Mignonette. Machet ..... per oz., 60 cts.	$0 10
" Victoria ..... " 75 cts.	10
" Allen's Defiance	10
Pansy, Bugnot Superb Blotched. per ⅛ oz., $1.50	50
" Large Yellow, maroon center. per oz., 2.50	10
" Faust. Black ..... " 1.50	10
" Peacock. Blue, edged white. " 5.50	25
" Snow Queen. Pure white " 1.25	10
" Odier. Blotched ..... " 5.00	25
" Fire King. Golden ..... " 1.50	10
" Trimardeau Giant White ..... " 4.00	25
" " " Yellow ..... " 4.00	25
" " " Mixed ..... " 2.50	25
" Fine, large French mixed. Extra ..... " 2.00	10
" Thorburn Superb Large Strain. Mixed ..... " 5.00	25
Phlox Drummondii nana compacta, Snowball	25
" " " " Fireball	25
Pink. Double Mixed China ..... per oz., 40 cts.	05
" Heddewigii, Crimson Belle	10
" " Eastern Queen	10
" " Single Mixed. per oz., 75 cts.	05
" " laciniatus, Fine Mixed	05
Primula Sinensis fimbriata alba. White	25
" " " kermesina splendens	25
" " " rubra. Red	25
" " " Extra Fine Mixed	25
" " " filicifolia alba	25
" " " " rubra	25
" " " Double Mixed	75
" Obconica	25
Schizanthus retusus	05
" " albus	05
" Mixed ..... per oz., 30 cts.	05
Smilax (Myrsiphyllum asparagoides) " 75 cts.	10
Stocks, German Ten Weeks, Snowflake	25
" Giant Perfection, White	25
" Dwarf Large-flowering, White	10
" " " Rose	10
" " " Bright Red	10
" " " Yellow	10
" " " Light Blue	10
" " " Mixed	10
" Wallflower-leaved Mixed	10
Zinnia. Curled and crested Mixed	10

STRAWBERRY PLANTS.

Pot-grown plants ready now. Layer plants ready about middle of September.

	Pot-grown, per doz.	Pot-grown, per 100	Layer, per 100
Beder Wood. An excellent market sort; very early and productive; large, conical; bright red color, and of excellent quality	$0 50	$3 00	$1 00
Brandywine. Large, roundish conical, glossy crimson, firm and solid; of fine, aromatic flavor. Plant vigorous and productive; succeeds on any soil. Mid-season to late	75	3 50	1 00
Bubach No. 5. A very large berry of dark color, shaped somewhat like Sharpless. Exceedingly productive; of fair flavor; largely grown for market. Mid-season	75	3 50	1 50
Clyde. Very regular, bright scarlet berries, large and of excellent flavor; firm, and a good shipper. Plant remarkably healthy, vigorous and productive. Season early	75	4 00	1 50
Candy. One of the best late sorts; large, uniform, bright crimson; very firm and of good quality. Needs liberal culture to do its best	50	3 00	1 00
Glen Mary. Of large size. Bright, glossy crimson, and fine flavor; plant is strong and healthy, very prolific, and on good soil the berries maintain their large size to the end of the season. Early	75	3 50	1 50
Henry. Very large, uniformly round, with no cockscombs; dark crimson; quality excellent. Plant vigorous, hardy and productive; bears through the whole season	1 00	4 50	2 00
Marshall. Uniformly large, dark crimson when fully ripe, handsome and good; plant luxuriant, but needs the rich soil and careful culture of the home garden. Mid-season	75	3 50	1 50
Mary. Uniformly conical, deep crimson, and of extra high quality. Season is medium to late, and fruit keeps and ships well	75	3 50	1 25
Michel's Early (*Osceola*). A very early variety; it bears abundantly with liberal manuring, and must not be allowed to run too freely	50	3 00	1 00
Sharpless. Demands rich, strong soil; plant large and vigorous; berries very large, irregular in shape, crimson, moderately firm and of good quality. Mid-season	50	3 00	1 00
Wm. Belt. The berries are as large as Bubach, more perfect in shape, just as productive, and the color is much superior	75	4 00	1 50

CHOICE VEGETABLE SEEDS.

For Frames and Open Ground.

If ordered by mail, add 8 cents per pound for postage.

CABBAGE.

	Per oz.	¼lb.	Lb.
Early Sugar-loaf. Extra-early	$0 25	$0 75	$2 50
Early Jersey Wakefield. Fine strain.	25	75	2 50
Charleston Wakefield	30	85	3 00
Improved Early Summer	25	75	2 50
Stein Early Flat Dutch	25	75	2 50
Improved Succession	25	75	2 50
Market-Gardener Private Stock Flat Dutch. Largest of all	30	85	3 00
Thorburn New Stock Drumhead Savoy	25	75	2 50
Thorburn Improved Red Stone-Head.	30	85	3 00

CAULIFLOWER.

	Per oz.	¼lb.	Lb.
Thorburn Gilt Edge. The very best and surest of all...per pkt., 25c...	$2 25	$7 50	$30 00
Extra Early Dwarf Erfurt. For forcing...per pkt., 50c...	6 00		
Thorburn Early Snowball ...per pkt., 25c...	2 25	7 50	30 00

MUSHROOM SPAWN.

Best English. In bricks. Per lb., 15 cts.; 10 lbs. for $1; per 100 lbs., $9.

SELECTED LETTUCE.

	Per oz.	¼lb.	Lb.
Thorburn Maximum	$0 40	$1 25	$4 00
Coldframe White Cabbage	15	30	1 25
Big Boston. Improved; very large...	20	50	1 50
Thorburn Glass House	20	60	2 00

LETTUCE—continued.

	Per oz.	¼lb.	Lb.
Hubbard Market	$0 15	$0 30	$1 00
Thorburn Market-Gardener Private Stock. Very large heads	20	60	1 75

ITALIAN AND OTHER ONION SEEDS FOR THE SOUTH.

	Per oz.	¼lb.	Lb.
Early White Barletta	$0 20	$0 50	$1 75
Red Garganus, or **Ruby King**	15	50	1 50
White Bermuda. Teneriffe-grown	30	85	3 00
Red Bermuda. Teneriffe-grown	30	85	3 00
Red Globe Madeira	20	60	2 00
Red Victoria	20	60	2 00
Prizetaker. Yellow	25	75	2 50
Giant Rocca. Brown	15	50	1 50
" " Yellow	15	50	1 50

RADISH.

	Per oz.	¼lb.	Lb.
French Scarlet Turnip	$0 10	$0 20	$0 50
" " " for forcing	10	25	75
White Tipped Scarlet Turnip	10	20	50
" " " " forcing.	10	25	75
Prussian Globe-shaped	10	25	75
Non Plus Ultra	10	25	75
Scarlet Chinese Winter	10	25	75

SPINACH.

	Per oz.	¼lb.	Lb.
Large Thick-leaved Viroflay	$0 10	$0 15	$0 35
" " **Long Standing**	10	15	35
Bloomsdale Savoy	10	15	35
Prickly	10	15	35

Grass Seeds for Autumn Sowing.

MIXTURES FOR GOLF LINKS.

We have always on hand all the valuable natural grasses of Europe and America, and we are familiar with the habits and merits of each. We shall be glad to prescribe for whatever the requirements of the Links may be, for poor land or rich, high and dry, or low and wet.

Golf Links Mixture. For the grounds in general. Per bushel of 20 lbs., $2.50.

Putting-Green Mixture. A mixture of extra fine grasses ,that will make a close, firm, green and lasting turf, which will improve the more it is tramped on. Per quart, 30 cts.; peck, $1.50; bushel of 24 lbs., $5.

N. B.—Our Pamphlet on the Seeding and Preservation of Golf Links will be mailed to parties interested on application.

LAWN GRASS MIXTURES.

CENTRAL PARK MIXTURE. For lawns of any extent, we recommend this, our best mixture, to be sown from three to five bushels to the acre. (15 lbs. to bushel.) Per quart, 25 cts.; ½peck, 65 cts.; peck, $1; bushel, $3.50. (We can also make special good mixtures at lower prices.)

THORBURN'S LAWN-RESTORING GRASS SEED. A mixture of grasses peculiarly suited to take firm hold and grow quickly on hard, worn-out or burned spots. To restore a lawn that is partially worn-out or burned, the best time is very early in spring, as soon as the frost is entirely out of the ground. The bare spots should be well scratched or raked up, and this seed sown liberally. Cover the seed very thinly with earth, and then roll or press down firmly with the back of the spade. Some **Lawn-Restoring Grass Seed** should be kept always on hand, and before each rain during the summer some of it should be sown on any parts that may appear thinner than the rest. Seed may be sown in fall, as late as from September 1 to October 1, according to the weather. Price, per quart-box, 30 cts.; per bushel of 24 lbs., $5.

GRASS SEEDS.

☞ *These prices are subject to change.*

	Per lb.	100 lbs.
Agrostis canina (*Rhode Island Bent Grass*). *True.* Valuable grass for lawn; sow three or four bushels to the acre for lawns. (12 lbs. to bus.)	$0 30	$25 00
Agrostis stolonifera (*Fiorin,* or *Creeping Bent Grass*). Valuable in mixture, as it will thrive in moderately moist land; useful for croquet grounds. Same quantity as the preceding. (15 lbs. to bus.)	30	25 00
Agrostis vulgaris (*Red-top Grass*). A valuable permanent grass as a mixture in either meadows, pastures or lawns. Same quantity per acre as above. (14 lbs. to bus.)	15	10 00
FANCY HEAVY RED-TOP GRASS. Absolutely clean and free from chaff	25	20 00
Alopecurus pratensis (*Meadow Fox-tail Grass*). One of the very best grasses for permanent pasture. 25 lbs. to acre	30	25 00
Anthoxanthum odoratum (*True Perennial Sweet Vernal Grass*). Valuable for a mixture with pasture grasses; continues to throw up root foliage until late in the autumn. From 2 to 5 lbs. to the acre with other sorts	40	38 00
Anthoxanthum odoratum puelli (*Annual Sweet Vernal Grass*). Much smaller than the perennial. 20 to 25 lbs. to the acre	20	16 00
Avena elatior (*Tall Meadow Oat Grass*). Valuable for pastures. 50 lbs. to the acre	25	18 00
Avena flavescens (*Yellow Oat Grass*). Sown with other species is desirable for dry meadows and pastures. About 25 lbs. to the acre	1 00	85 00
Blue Grass, Canada, see *Poa compressa;* **English,** see *Festuca pratensis;* **Kentucky,** see *Poa pratensis.*		
Bromus inermis (*Awnless Brome Grass*). A valuable forage plant for light, dry soils. About 35 to 40 lbs. to the acre	25	18 00
Bromus Schraderi (*Rescue Grass*). Thrives in any soil, but does best in wet or moist lands. 30 lbs. to the acre	30	25 00
Cynosurus cristatus (*Crested Dog's-tail Grass*). Valuable grass for sheep pastures, on dry, hard soils and hills. 25 lbs. to the acre	40	35 00
Dactylis glomerata (*Orchard Grass*), Will endure considerable shade; blossoms about the same time as Red Clover, and is one of the very best pasture grasses. 3 bus. to acre. (14 lbs. to bus.)	20	16 00
Dog's-tail. See *Cynosurus cristatus.*		
Elymus arenaria (*Lime,* or *Beach Grass*). For sandy seashores, canal and railroad banks, etc	45	38 00
Festuca duriuscula (*Hard Fescue*). Of a very fine quality, and thrives well in dry situations. 30 lbs. to the acre	25	20 00
Festuca elatior (*Tall Fescue*). Best on moist, alluvial and strong clay soils. 40 lbs. to the acre	25	20 00
Festuca fluitans (*Floating Fescue*). A perennial, with long, creeping roots; often introduced on the margins of ponds and rivers, to afford nourishment for trout and wild ducks	35	30 00
Festuca ovina (*Sheep's Fescue*). For sheep pasture; occupies land which better grasses refuse. 35 lbs. to the acre	25	20 00
Festuca pratensis (*Meadow Fescue,* or *English Blue Grass*). Valuable for permanent grass land.	20	15 00
Festuca tenuifolia (*Slender Fescue*). Flourishes on dry and sterile soils. 30 lbs. to the acre	25	20 00
Holcus lanatus (*Meadow Soft Grass*). Inferior to many others, but of easy culture, and accommodates itself to all soils. 4 bus. to the acre. (7 lbs. to the bus.)	25	20 00
Hungarian Grass. See *Panicum Germanicum.*		

GRASS SEEDS, continued.

	Per lb.	100 lbs.
Lolium Italicum (*Italian Rye Grass*) Recommended for use in pasture mixtures. 50 lbs. to acre.	$0 15	$8 00
Lolium perenne (*English Rye Grass*). The staple grass of Great Britain. 60 lbs. to the acre.....	12	7 00
Orchard Grass. See *Dactylis glomerata.*		
Panicum Germanicum (*Hungarian Grass*). One of the most valuable annual soiling plants. 1½ bus. to the acre.....Price variable		
Phleum pratense (*Timothy*). A grass so well known needs no description. ½ bushel to the acre. (45 lbs. to the bus.).....Market price.		
Poa compressa (*Canada Blue Grass*). Thrives well on clay or hard trodden and poor soil.....	18	12 00
Poa nemoralis (*Wood Meadow Grass*). Recommended strongly for pastures. 30 lbs. to the acre.	35	30 00
Poa pratensis (*Kentucky Blue Grass*). Valuable for the southern states, and also a most valuable grass for the lawn. Three to four bushels to the acre. (14 lbs. to bus.) Fancy cleaned seed...	15	11 00
Poa trivialis (*Rough-stalked Meadow Grass*). Favorite pasture grass for moist, rich soils. 20 lbs. to the acre.....	30	25 00

Red Top. See *Agrostis vulgaris.*
Rescue Grass. See *Bromus Schraderi.*
Rye Grass. See *Lolium Italicum* and *Lolium perenne.*
Rhode Island Bent Grass. See *Agrostis canina.*
Sweet Vernal Grass. See *Anthoxanthum odoratum.*
Timothy. See *Phleum pratense.*

GRASS SEED MIXTURES.

FOR MEADOW AND PASTURE.

For every different kind and condition of soil there is a large number of grasses, either indigenous or introduced, which are especially suitable. Some sorts do best on high ground and in dry weather; others prefer plenty of moisture. Some mature so early, and others so late, that from the beginning of spring until winter sets in, there is no time when one species or another is not at its best. From these considerations the importance of sowing *many* varieties for pasture and meadow purposes will be apparent.

MEADOW OR PASTURE MIXTURES FOR ONE ACRE.

No. 1. On Good Land, neither Too Dry nor Too Wet.

3 lbs.	Red Top.
1 "	Meadow Foxtail.
½ "	Perennial Sweet Vernal.
2 "	Tall Meadow Oat Grass
3 "	Orchard Grass.
2 "	Hard Fescue.
2 "	Sheep's Fescue.
4 "	Perennial Rye Grass.
16 "	Timothy.
1 "	Red Clover.
½ "	Alsike Clover.
35 lbs.	Price per acre, $4.25.

No. 2. For High and Dry Land.

3 lbs.	Red Top.
4 "	Tall Meadow Oat Grass.
2 "	Meadow Brome Grass.
½ "	Crested Dog's-tail.
5 "	Orchard Grass.
2 "	Hard Fescue.
3 "	Sheep's Fescue.
1 "	Meadow Soft Grass.
12 "	Timothy.
1 "	Rough-stalk Meadow Grass.
1 "	Red Clover.
½ "	White Clover.
35 lbs.	Price per acre, $5.00.

No. 3. On Wet, Late Land.

5 lbs.	Red Top.
2½ "	Creeping Bent Grass.
5 "	Orchard Grass.
2 "	Tall Meadow Oat Grass.
2 "	Meadow Fescue.
1 "	Tall Fescue.
1 "	Meadow Soft Grass.
5 "	Perennial Rye Grass.
10 "	Timothy.
1 "	Red Clover.
½ "	Alsike Clover.
35 lbs.	Price per acre, $4.75.

PASTURE MIXTURES OF GRASSES FOR ONE ACRE.

No. 4. On Good Land, neither Too Dry nor Too Wet.

2 lbs.	Tall Meadow Oat Grass.
2 "	Red Top.
½ "	Perennial Sweet Vernal.
4 "	Orchard Grass.
3 "	Sheep's Fescue.
1 "	Hard Fescue.
1 "	Meadow Soft Grass.
5 "	Perennial Rye Grass.
1 "	Meadow Foxtail.
7 "	Kentucky Blue Grass.
6 "	Timothy.
½ "	Yellow Trefoil.
1 "	Red Clover.
1 "	White Clover.
35 lbs.	Price per acre, $5.25.

No. 5. On Dry Land.

3 lbs.	Creeping Bent Grass.
3½ "	Tall Meadow Oat Grass.
1 "	Meadow Brome Grass.
3 "	Orchard Grass.
1 "	Hard Fescue.
4 "	Sheep's Fescue.
½ "	Perennial Sweet Vernal.
6 "	Timothy.
5 "	Perennial Rye Grass.
2 "	Field Burnet.
4 "	Sainfoin.
1 "	Red Clover.
1 "	White Clover.
35 lbs.	Price per acre, $5.75.

No. 6. On Wet Land.

3 lbs.	Red Top.
4 "	Orchard Grass.
1 "	Meadow Fescue.
1 "	Tall Fescue.
1 "	Meadow Soft Grass.
5 "	Perennial Rye Grass.
1 "	Meadow Foxtail.
8 "	Timothy.
1 "	Rough-stalk Meadow Grass.
8 "	Kentucky Blue Grass.
1 "	Alsike Clover.
1 "	White Clover.
35 lbs.	Price per acre, $4.75.

CRIMSON or SCARLET CLOVER.

(TRIFOLIUM INCARNATUM.)

An annual, with beautiful, long crimson flowers. Sown late in the summer, it furnishes an early green fodder the following season; largely sown in Virginia and North Carolina for improving poor soil by turning under when still green, thus addding much nitrogen to the ground through its decomposition. 15 to 20 lbs. to the acre. Per lb., 15 cts.; per 100 lbs., $10.

Insecticides and Remedies for Plant Diseases.

COPPERDINE.

A combined fungicide and insecticide, used simply by adding water in proportion of 1 pound of the paste to 16 gallons of water. As a fungicide it prevents black rot, downy mildew and anthracnose of the grape, pear leaf-blight, apple scab, mildew, apple rot, black spot, strawberry blight. As an insecticide it kills codlin moths, curculio, pear insects, peach and apple borers, currant worms, cabbage worms, potato bugs and caterpillars. 1-lb. box, 25 cts., makes 16 gallons spray. 5-lb. box, $1, makes 80 gallons spray.

FIR-TREE OIL.

For greenhouse and house plants. It destroys all plant insects without injuring the plant. It is the best insecticide for scale, aphis, red spider, mealy bug, thrip and worms. Dilute in the proportion of 1 pint to 20 gallons of water. Apply with vaporizer or syringe. ½pt. 40 cts.; pt., 75 cts.; qt., $1.25; ½gal., $2.25; gal., $4.

FIR-TREE OIL SOAP.

This is the same as the Fir-Tree Oil, but in soap form. It is useful for the same purposes. Mix at rate of 1 ounce to a gallon of water, and apply with bellows or syringe. ½-lb. tin, 25 cts.; 2-lb. tin, 75 cts.; 5-lb. tin, $1.75.

DALMATIAN INSECT POWDER.

Effective against almost all kinds of insects. Per ½-lb. box, 30 cts.; per 1-lb. box, 50 cts.

GISHURST'S COMPOUND.

A certain remedy for greenfly, scale, mealy bug, etc. Excellent for greenhouse use. Full directions for use on each box. Per 1-lb. box, 50 cts.

HAMMOND'S GRAPE DUST.

For the prevention of mildew on roses, grapes, gooseberries, etc. Apply with bellows. 5-lb. package, 35 etc.; 10-lb. package, 60 cts.; 100-lb. keg, $5.

HELLEBORE, POWDERED.

An excellent protection from currant worms, grape slugs, caterpillars, etc. May be applied dry or mixed in water—1 oz. to 3 gallons. Per 2-lb. box, 35 cts.; per 1-lb. box, 20 cts.; ½-lb. box, 12 cts.

NIKOTEEN.

A powerful insecticide, specially prepared for use in greenhouses and conservatories. Per pint bottle, $1.50.

PARIS GREEN.

Mixed at the rate of 1 lb. to 200 gallons of water, it will prove effective against all chewing insects. Per 1-lb. can, 35 cts.; ½-lb. can, 20 cts.; ¼-lb. can, 15 cts. This article is liable to fluctuate in price.

LITTLE'S ANTIPEST.

A sure destroyer of all insect pests. It is non-poisonous and harmless to vegetation. Mixed with water as follows it is effectual against—greenfly, 1 pt. to 10 gals. of water; mealy bug, 1 pt. to 1½ gals.; red spider, 1 pt. to 2 gals.; ants, wireworms and slugs, 1 pt. to 1 gal. ½-gal. can, $1.50; gal. can, $2.50.

SLUG SHOT (HAMMOND'S).

Excellent for destroying cabbage, turnip and beet fly, potato bugs, currant worms, etc. Prepared ready for use. 5-lb. package, 30 cents; 10-lb. package, 50 cts.; 100 lbs., $4.

SULPHUR, POWDERED.

Valuable for protecting against mildew on grapes, roses, etc. Per lb., 10 cts.; 10 lbs., 60 cts; 100 lbs., $4.

SULPHO-TOBACCO SOAP.

Dissolve in proportion of 2 ounces to a gallon of water, and apply with a syringe or atomizer. It will destroy rose slugs, aphides, greenfly, bark-lice, etc. Per ½-lb. box, 25 cts.

TOBACCO DUST.

If dusted on *while the foliage is moist* it destroys rose lice, cabbage and turnip fleas, etc. Spread upon the ground, it keeps off all earth insects, and also acts as an excellent fertilizer. Per 1-lb. box 10 cts; 5-lb. package, 30 cts.; 10-lb. package, 50 cts.; per 100 lbs., $2.50.

TOBACCO STEMS.

For fumigating plants infested with greenfly. Per bale of about 100 lbs., $1.50; per bale of about 200 lbs., $2.75; per bale of about 400 pounds, $4.50.

"ROSE LEAF" TOBACCO EXTRACT.

A perfectly pure, highly concentrated extract of tobacco, most effective for destroying all insects and scale on plants. Our "Rose Leaf" pamphlet gives full directions for applying. Pint can, 30 cts.; qt. 50 cts.; gal., $1.25.

WHALE-OIL SOAP.

For washing trees and destroying all insects on the bark. Mixed at the rate of 1 lb. to 4 gallons of water, it will rid cabbage, rose bushes, peach trees, etc., of the aphides that so often infest them. Per 1-lb. box, 18 cts.; 5 lbs., 50 cts.: 10 lbs., 90 cts.; 100-lb. keg, $7.

BORDEAUX MIXTURE, OR FUNGIROID.

For all fungous diseases, such as mildew and the various rots of the grape. Full directions on label. Dry, 1-lb. box, 20 cts.; 5 lbs. and over at 15 cts. per lb.; 50-lb. keg, $6; liquid, 1 gallon, $1.25.

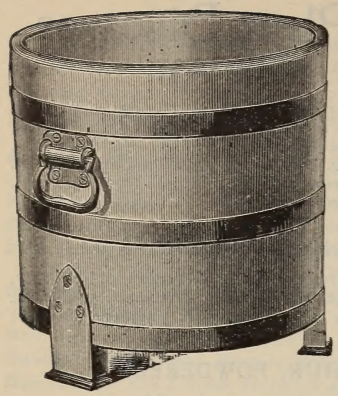
"Jadoo" Fibre and "Jadoo" Liquid.

JADOO FIBRE is a new growing substance for plants of all kinds. It was invented by Col. Thompson, of the Royal Army and Fellow of the Royal Horticultural Society of England, and it is highly recommended by gardening authorities there. It suits all kinds of plants, is only half as heavy as earth, and cleaner to handle; requires no soil to mix with it, and no manure. It increases the size and the brilliancy of flowers. Seeds germinate, and cuttings root in it, quicker than in earth. Owing to its spongy nature, it retains water much longer than earth. Plants transplanted in Jadoo Fibre do not flag, even if in full bloom.

JADOO LIQUID revives drooping plants, increases the size and profusion of bloom. It is both meat and drink to plants of all kinds. It can be used on plants that are grown in earth or in Jadoo Fibre.

Price of the Jadoo Fibre. 5-lb. box, 30 cts.; 10-lb. box, 50 cts.; 25-lb. box, $1.10; per bag of 120 to 130 lbs., $3.75; per ton, $50.

Price of the Jadoo Liquid. Pint bottle, 25 cts.; 2-gallon can, $1.50; 5-gallon can, $3.75; 10-gallon can, $7.50.

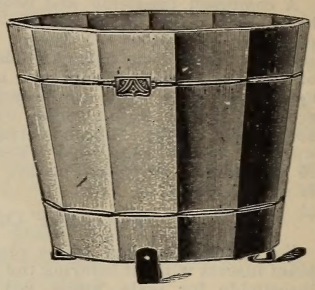


Palm Tub.

PALM TUBS.

Made of white cedar, painted green, and bound with extra iron hoops. Drop handles of special pattern, serving as hooks for carry-poles. Strong iron legs and perforated removable bottom.

No.	Diameter	Length of stave	Each
0	27 in.	24 in.	$6 50
1	25 in.	22 in.	5 50
2	23 in.	20 in.	4 75
3	21 in.	18 in.	4 00
4	18 in.	16 in.	3 50
5	16 in.	14 in.	3 00
6	14 in.	12 in.	2 50
7	13 in.	11 in.	2 25
8	12 in.	10 in.	1 85



Columbia Tub.

COLUMBIA FLOWER TUBS.

Made of the best cypress timber. Natural varnish finish on the wood:

	Each		Each
12-in. diam. by 11-in. high	$1 00	21-in. diam. by 18½-in. high	$2 50
15 " " 14 "	1 50	24 " " 20½ "	3 00
18 " " 16½ "	2 00		

HYACINTH GLASSES.

	Each	Per doz.
Tall Shape—Green, Blue and **Purple**	$0 20	$1 75
Tye's Style—Green, Blue and **Purple**	20	2 00

FERTILIZERS.

CLAY'S CELEBRATED FERTILIZER. *The best for greenhouse use.* Prices in bags:

1 Cwt. (112 lbs.) $7 00
½ " (56 lbs) 4 00
¼ Cwt. (28 lbs.) $2 25
⅛ " (14 lbs.) 1 25

PULVERIZED SHEEP MANURE. *Highly recommended for lawns.* 5-lb. package, 30 cts.; 10 lbs., 50 cts.; 50 lbs., $1.50; 100 lbs., $2.00; ton, $32.

PURE GROUND BONE MEAL. 5 lbs., 25 cts.; 50 lbs., $1.25; 100 lbs., $2 ; per ton, $32.

GROUND BONE NO. 3. This is coarser than the above. Per 100-lb. bag, $2.50 ; per ton, $38.

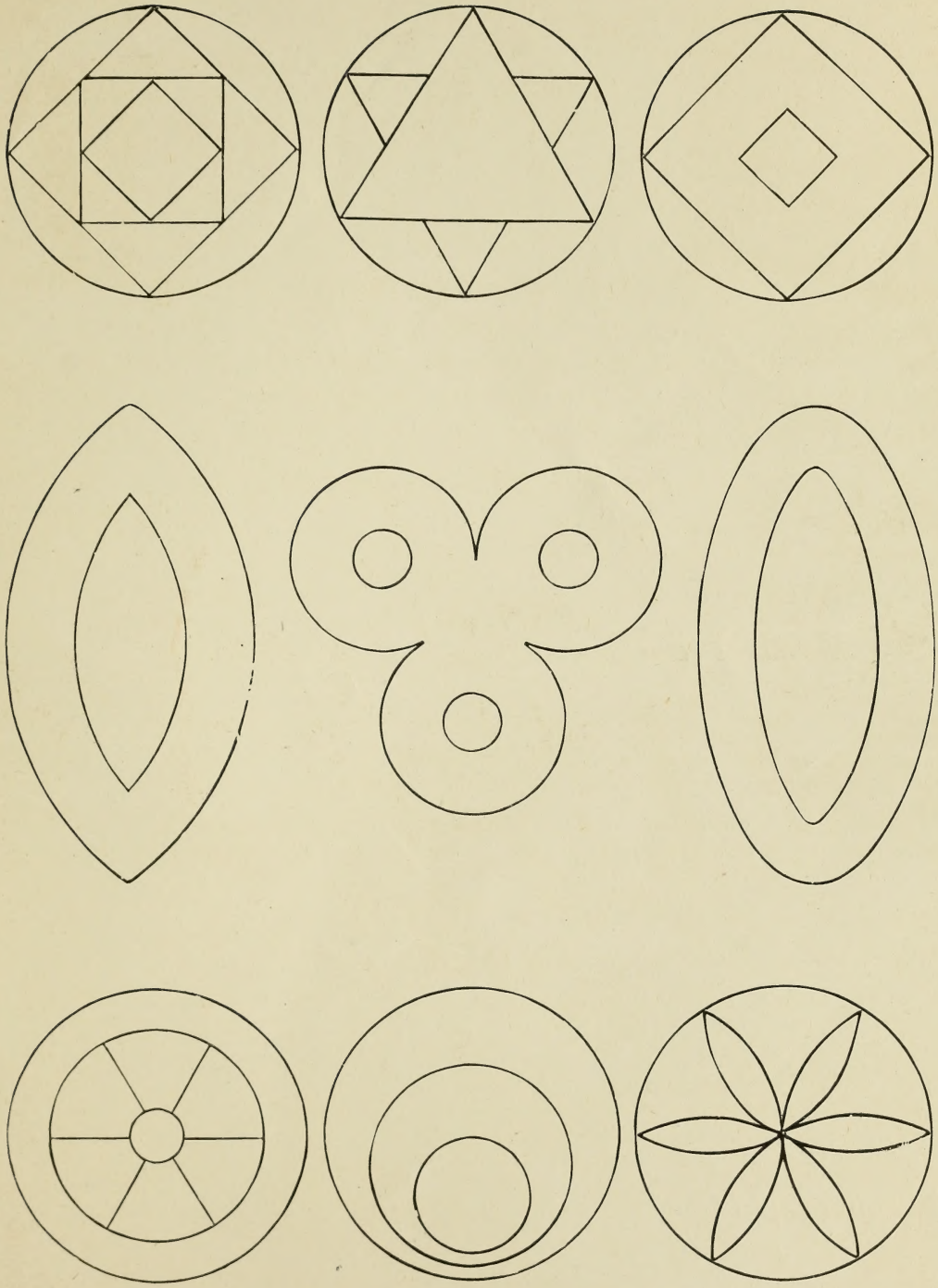
CRUSHED OR COARSE BONE. Being much coarser, this takes effect more slowly, but is correspondingly more permanent. Per 100-lb. bag, $2.75 ; per ton, $43.

BOWKER'S FOOD FOR FLOWERS. A dressing made expressly for plants grown in the house. Small packages, 15 cts. each; large packages, 25 cts.

INDEX.

	PAGE
Allium	11
Amaryllis	18
American Wood Lily, or Indian Shamrock	31
Anemone, or Windflower	19
Arums	18
Begonias, Tuberous-rooted	19
Brodiæas	20
Callas	30
Calochortus	21
Choice Bulbs, Special Collections of	2d page cover
Choice Vegetable Seeds	36
Convallaria	17
Crocus	20
Crown Imperials	22
Cyclamen	21
Delphiniums	22
Designs for Tulip or Hyacinth Beds	3d page cover
Dog's-tooth Violets	26
Erythroniums	26
Fertilizers	40
Fleur-de-lis	25
Freesia	23
Fritillaria	22
Galanthus	30
Gladiolus	23, 24
Gloxinias	24
Grape Hyacinths	24
Grass Seeds for Autumn Sowing	37, 38
Hardy Flower Seeds	34-35
Hyacinth Glasses	40
Hyacinths	2-5
Insecticides and Remedies for Plant Diseases	39
Iris	25, 26
Ixias	26
"Jadoo" Fibre and "Jadoo" Liquid	39
Lachenalias	27
Larkspurs	22
Lilies	15-17
Lily-of-the-Valley	17
Mariposa Lily, or Butterfly Tulip	21
Miscellaneous Bulbs and Roots	32, 33
Montbretias	27
Narcissus	12-14
Nerine	28
Ornithogalum	27
Oxalis	28
Pæonies	28, 29
Palm and Flower Tubs	40
Primroses	29
Primula	29
Ranunculus	29
Richardias	30
Scillas	30
Snowdrops	30
Spiræa, or Astilbe	31
Strawberry Plants	36
Trilliums	31
Tulips	6-11
Tuberoses	31

8184C16T89 J. HORACE MCFARLAND CO., HORTICULTURAL PRINTERS, HARRISBURG, PA.



Designs Suitable for TULIP or HYACINTH BEDS.

J. M. THORBURN & CO.

Established 1802

ANNUAL DESCRIPTIVE CATALOGUE

OF

BULBS

AND OTHER FLOWERING ROOTS

FOR

FALL PLANTING

COPYRIGHTED 1899 BY J. M. THORBURN & CO.